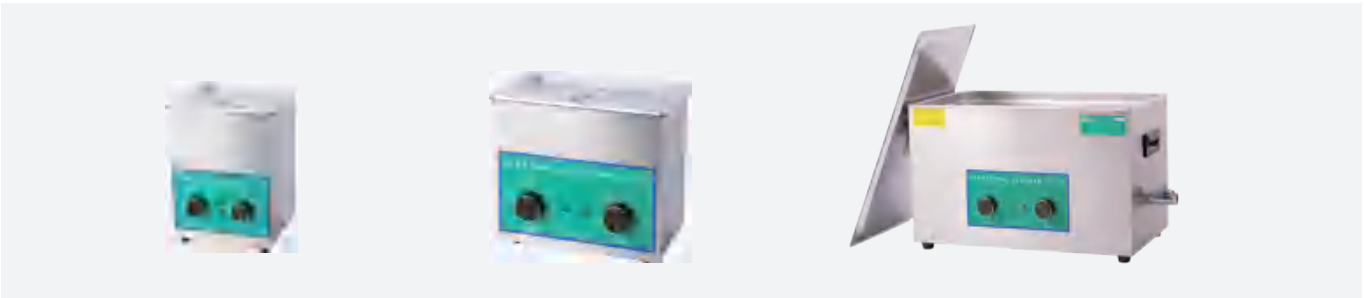




| ULTRA PURE WATER SYSTEM |                                       |
|-------------------------|---------------------------------------|
| Art No.                 | PW-10L                                |
| Flow rat                | Up to1.5-2.0 liters/minute            |
| Feed water reuirements  | Tap water,TDS<200ppm,temperature:25°C |
| Conductivity(25°C)      | 2-10us/cn                             |
| Pollutant removal rate  | 98%                                   |
| Evaporation residue     | =2.0mg/L                              |
| Resistivity(25°C)       | 18,25MΩ.cm                            |
| Bacteria                | <1cfu/ml                              |
| Particle(0.2um)         | <1ml                                  |



| LABORATORY WATER PURIFIER |                                          |
|---------------------------|------------------------------------------|
| Art No.                   | PW-15L                                   |
| Water Output Speed        | 15 L/H                                   |
| Flow rate                 | up to 2liters/minute(with pressure tank) |
| Pure water outlet         | 2:reverse osmosis water,deionized water  |
| Resistivity(25°C)         | 15-18.2MΩ.cm                             |
| Ion rejection rate        | 97%-99%(new RO membrane)                 |
| Organic rejection rate    | >99%,when MV>200Dalton                   |
| Particles and Bacteria    | >99%                                     |
| Water Output Type:        | RO and DI water                          |



| ULTRASONIC CLEANER MECHANICAL |             |          |           |                       |               |        |       |
|-------------------------------|-------------|----------|-----------|-----------------------|---------------|--------|-------|
| Art.No.                       | Tank Size   | Capacity | Frequency | Ultrasonic power      | Heating Power | Timing | Temp. |
|                               | (L*W*H)mm   | L        | W         | Khz                   | W             | Min    | °C    |
| UC-230M                       | 240×140×100 | 3.2      | 120       | 28/40<br>(for option) | 100           | 0-20   | 20-80 |
| UC-240M                       | 300x155x100 | 4.5      | 120       |                       | 100           | 0-20   | 20-80 |
| UC-340M                       | 300x155x100 | 4.5      | 180       |                       | 100           | 0-20   | 20-80 |
| UC-360M                       | 300×155×150 | 6.5      | 180       |                       | 300           | 0-20   | 20-80 |
| UC-410M                       | 300×240×150 | 10       | 240       |                       | 300           | 0-20   | 20-80 |
| UC-615M                       | 330×300×150 | 15       | 360       |                       | 400           | 0-20   | 20-80 |
| UC-822M                       | 500×300×150 | 22       | 480       |                       | 500           | 0-20   | 20-80 |
| UC-1030M                      | 500×300×200 | 30       | 600       |                       | 500           | 0-20   | 20-80 |



| ULTRASONIC CLEANER DIGITAL |             |          |           |                       |               |        |         |
|----------------------------|-------------|----------|-----------|-----------------------|---------------|--------|---------|
| Art.No.                    | Tank Size   | Capacity | Frequency | Ultrasonic power      | Heating Power | Timing | Temp.   |
|                            | (L*W*H)mm   | L        | W         | Khz                   | W             | Min    | °C      |
| UC-230D                    | 240×140×100 | 3.2      | 120       | 28/40<br>(for option) | 100           | 1-99   | Room-80 |
| UC-240D                    | 300x155x100 | 4.5      | 120       |                       | 100           | 1-99   | Room-80 |
| UC-340D                    | 300x155x100 | 4.5      | 180       |                       | 100           | 1-99   | Room-80 |
| UC-360D                    | 300×155×150 | 6.5      | 180       |                       | 300           | 1-99   | Room-80 |
| UC-410D                    | 300×240×150 | 10       | 240       |                       | 300           | 1-99   | Room-80 |
| UC-615D                    | 330×300×150 | 15       | 360       |                       | 400           | 1-99   | Room-80 |
| UC-822D                    | 500×300×150 | 22       | 480       |                       | 500           | 1-99   | Room-80 |
| UC-1030D                   | 500×300×200 | 30       | 600       |                       | 500           | 1-99   | Room-80 |



| VIS SPECTROPHOTOMETER     |                        |
|---------------------------|------------------------|
| Art.No.                   | SP-V21A                |
| Wavelength Range          | 350-1000nm             |
| Wavelength Accuracy       | ±3nm                   |
| Spectral Bandwidth        | 5nm                    |
| Walvelength Repeatability | ≤1nm                   |
| Stray light               | ≤1%(T) at 360nm ,420nm |



| VIS SPECTROPHOTOMETER     |             |
|---------------------------|-------------|
| Art.No.                   | SP-V1100    |
| Wavelength Range          | 340-1020 nm |
| Spectral Bandwidth        | 6 nm        |
| Wavelength Accuracy       | ±3nm        |
| Photometric Repeatability | 0.5%T       |
| Stray light               | 0.5%T       |



| VIS SPECTROPHOTOMETER     |            |
|---------------------------|------------|
| Art.No.                   | SP-V22Y    |
| Wavelength Range          | 325-1000nm |
| Spectral Bandwidth        | 5 nm       |
| Wavelength Accuracy       | ±2nm       |
| Photometric Repeatability | 0.5%T      |
| Stray light               | 0.5%T      |



| UV/VIS SPECTROPHOTOMETER  |            |
|---------------------------|------------|
| Art.No.                   | SP-UV52G   |
| Wavelength Range          | 200-1000nm |
| Spectral Bandwidth        | 4 nm       |
| Wavelength Accuracy       | ±2nm       |
| Photometric Repeatability | ≤0.2%T     |



| UV/VIS SPECTROPHOTOMETER |                            |
|--------------------------|----------------------------|
| Art.No.                  | SP-UV52N                   |
| Wavelength Range         | 200-1000nm                 |
| Wavelength Accuracy      | ±2nm                       |
| Spectral bandwidth       | 2nm                        |
| Stray Light              | ≤0.1%( at 220nmNaI, 360nm) |



| UV/VIS SPECTROPHOTOMETER  |             |
|---------------------------|-------------|
| Art.No.                   | SP-UV1100   |
| Wavelength Range          | 195-1020 nm |
| Spectral Bandwidth        | 5nm         |
| Wavelength Accuracy       | ±2nm        |
| Photometric Repeatability | 0.2% T      |
| Stray light               | 0.3% T      |



| VIS SPECTROPHOTOMETER    |           |
|--------------------------|-----------|
| Art.No.                  | SP-S23    |
| Wavelength range         | 340-950nm |
| Spectral Bandwidth       | 12nm      |
| Wavelength Accuracy      | ±2.5nm    |
| Wavelength Repeatability | ≤1nm      |



| PHOTOELECTRIC COLORIMETER |                                                       |
|---------------------------|-------------------------------------------------------|
| Art.No.                   | AE-11M                                                |
| Art.No.                   | AE-11D                                                |
| Reproducibility           | ±5nm                                                  |
| Wavelength range          | 420-660nm                                             |
| Filter:                   | 405,492,546,578,60nm;or 420, 470,530,620,660nm(glass) |



| SPECTROPHOTOMETER COLORIMETER |                                   |
|-------------------------------|-----------------------------------|
| Art No.                       | SPC-700                           |
| Geometry                      | D/8,SCI/SCE                       |
| Repeatability                 | ΔE*ab≤0.02                        |
| Inter-instrument greement     | ΔE*ab≤0.2                         |
| Display Resolution            | 0.01                              |
| Measuring aperture            | Φ11mm,F10mm,Φ6mm, Φ5mm,Φ3mm,1*3mm |



| UV-VIS SPECTROPHOTOMETER |                                                      |        |
|--------------------------|------------------------------------------------------|--------|
| Art.No.                  | SP-UV4S(scanning)                                    | SP-UV4 |
| Optical system           | 1200 lines/mm holographic grating, C-T monochromator |        |
| WL range                 | 190-1100nm                                           |        |
| WL accuracy              | ±1nm                                                 |        |
| WL repeatability         | ≤0.5nm                                               |        |
| Spectrum bandwidth       | ±0.5% (T) (NBS930D)                                  |        |
| Stray light              | 0.1%(T) (220nm, NaI ; 360nm, NaNO2)                  |        |



| VIS SPECTROPHOTOMETER |                                                      |       |
|-----------------------|------------------------------------------------------|-------|
| Art.No.               | SP-V2S(scanning)                                     | SP-V2 |
| Optical system        | 1200 lines/mm holographic grating, C-T monochromator |       |
| WL range              | 325-1000nm                                           |       |
| WL accuracy           | ±1nm                                                 |       |
| WL repeatability      | ≤0.5nm                                               |       |
| Spectrum bandwidth    | ±0.5% (T) (NBS930D)                                  |       |
| Stray light           | 0.1%(T) (360nm, NaNO2)                               |       |



| VIS DUAL SPLIT-BEAM SPECTROPHOTOMETER |                    |                   |
|---------------------------------------|--------------------|-------------------|
| Art.No.                               | SP-V3D             | SP-V3DS(scanning) |
| Operation and Display                 | 8 in. Touch Screen |                   |
| Wavelength Range                      | 325-1100nm         |                   |
| Wavelength MPE                        | ±0.5nm             |                   |
| Wavelength Repeatability              | ≤0.2nm             |                   |
| Transmittance MPE                     | ±0.5% (T)          |                   |
| Transmittance Repeatability           | ≤0.2%(T)           |                   |
| Spectrum Bandwidth                    | 2nm                |                   |
| Stray Light                           | ≤0.05%T            |                   |
| Baseline Flatness                     | /                  | ±0.002A           |



| UV-VIS DUAL SPLIT-BEAM SPECTROPHOTOMETER |                    |                    |
|------------------------------------------|--------------------|--------------------|
| Art.No.                                  | SP-UV6D            | SP-UV6DS(scanning) |
| Operation and Display                    | 8 in. Touch Screen |                    |
| Wavelength Range                         | 190-1100nm         |                    |
| Wavelength MPE                           | ±0.5nm             |                    |
| Wavelength Repeatability                 | ≤0.2nm             |                    |
| Transmittance MPE                        | ±0.3% (T)          |                    |
| Transmittance Repeatability              | ≤0.15%(T)          |                    |
| Spectrum Bandwidth                       | 2nm                |                    |
| Stray Light                              | ≤0.03%T            |                    |
| Baseline Flatness                        | /                  | ±0.002A            |



| DOUBLE BEAM UV-VIS SPECTROPHOTOMETER |                                   |
|--------------------------------------|-----------------------------------|
| Art.No.                              | SP-UV7D                           |
| Spectrum Bandwidth                   | 2nm                               |
| Wavelength Range                     | 190-1100nm                        |
| Wavelength Accuracy                  | ±0.5nm                            |
| Photometric Accuracy                 | ±0.3%                             |
| Monochromator Type                   | Czerny-Turner                     |
| Grating                              | 1200lines/mm                      |
| Wavelength Repeatability             | ≤0.2nm                            |
| Stray Light                          | ≤0.03%T(at 220nm NaI,360nm Nano2) |
| Photometric Range                    | 0.0-200.0%T                       |
| Baseline                             | ≤±0.002A(200-1090nm)              |



| MICRO-VOLUME UV/VIS SPECTROPHOTOMETER |                                                         |
|---------------------------------------|---------------------------------------------------------|
| Art.No.                               | SP-UV100M                                               |
| Measurement Time                      | <5S                                                     |
| Minimum Sample Size                   | 0.5ul                                                   |
| Detector                              | 3648CCD                                                 |
| Wavelength Range                      | 190-850nm                                               |
| Light Source                          | Xenon Flash lamp                                        |
| Wavelength Accuracy                   | 1nm                                                     |
| Optical Distance                      | 1mm/0.2mm                                               |
| Detection Range                       | Lower limit 2ng/ul(dsDNA),Upper limit 15000ng/ul(dsDNA) |
| Absorbance Test Range                 | 0.1-5Abs ±0.1Abs 5-80Abs. ±2%(can extend to 300Abs)     |



| NIR SPECTROPHOTOMETER      |                   |
|----------------------------|-------------------|
| Art.No.                    | SP-NI430          |
| Measurement                | Transmission      |
| Bandwidth                  | 8nm               |
| Wavelength Range           | 900nm ~ 2500nm    |
| Wavelength Accuracy        | ≤0.2              |
| Wavelength Reproducibility | ≤0.05             |
| Stray Light                | ≤0.1%             |
| Noise                      | ≤0.0005 Abs       |
| Analysis time              | 1 minute or above |
| Port                       | USB2.0            |
| Power Supply               | 90~250V, 50/60Hz  |
| Temperature Requirement    | 5~35℃             |
| humidity Requirement       | 5~85 %RH          |



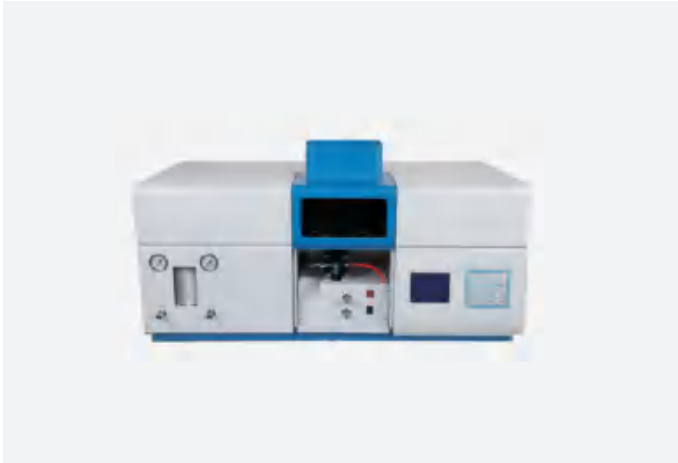
| INFRARED SPECTROPHOTOMETER |                                                                                                         |
|----------------------------|---------------------------------------------------------------------------------------------------------|
| Art.No.                    | SP-IR270                                                                                                |
| Spectral Range:            | 4000-400cm <sup>-1</sup>                                                                                |
| Wavelength Accuracy:       | ≤±4 cm <sup>-1</sup> (4000-2000 cm <sup>-1</sup> )<br>≤±2 cm <sup>-1</sup> (2000-400 cm <sup>-1</sup> ) |
| Resolution:                | 1.5 cm <sup>-1</sup> (Nearby 1000 cm <sup>-1</sup> )                                                    |
| penetration Rate Accuracy: | ±0.2%T                                                                                                  |
| Stray Light:               | ≤0.5%T (4000-650 cm <sup>-1</sup> )<br>≤1% (650-400 cm <sup>-1</sup> )                                  |
| Remark:                    | Main unit, not include the PC and printer                                                               |



| FTIR SPECTROMETER        |                                                                                                             |
|--------------------------|-------------------------------------------------------------------------------------------------------------|
| Art.No.                  | SP-IR990                                                                                                    |
| Wavenumber Range         | 7800 ~ 375 cm <sup>-1</sup>                                                                                 |
| Interferometer           | Michelson interferometer with 30 degrees of incidence angle                                                 |
| 100% τ line tilt range   | Better than 0.5τ%(2200~1900cm <sup>-1</sup> )                                                               |
| Resolution               | 1cm <sup>-1</sup>                                                                                           |
| Wavenumber Repeatability | 1cm <sup>-1</sup>                                                                                           |
| Signal Noise Ratio       | 30000:1 (DLATGS, resolution@4cm <sup>-1</sup> . sample and background scan for 1 min@2100cm <sup>-1</sup> ) |
| Detector                 | High resolution DLATGS detector with Moisture-proof coating                                                 |
| Beamsplitter             | KBr coated with Ge(Made in USA)                                                                             |
| Light Source             | Long life, air cooled IR light source(Made in USA)                                                          |
| Electronic System        | A/D converter of 24 bits at 500MHz, USB 2.0                                                                 |
| Test Parts:(Optional)    | Solid Parts:PP-15 Press; PM-13 Sheet mold; MA-70 Agate mortar; KBr(50g)                                     |
|                          | Liquid Parts: Removable liquid cell; Fixed Liquid cell; Znse window (diameter 30x5)                         |
|                          | Gas Parts: Gas Cell; ATR:ATR(Znse Crystal)                                                                  |



| FTIR SPECTROMETER     |                                                                                                                                              |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Art.No.               | SP-IR530                                                                                                                                     |
| Wavenumber Range      | 7800cm <sup>-1</sup> -350cm <sup>-1</sup>                                                                                                    |
| Resolution            | 0.85 cm <sup>-1</sup>                                                                                                                        |
| Wavenumber Accuracy   | ±0.01cm <sup>-1</sup>                                                                                                                        |
| Scanning Speed        | Microprocessor control,different scanning speed selectable.                                                                                  |
| Signal to noise ratio | Better than 20,000:1(RMS value,at 2100cm <sup>-1</sup> or 2100cm <sup>-1</sup> 2200cm,resolution 4cm <sup>-1</sup> ,1minute data collection) |
| Beam splitter         | Multilayer Ge coated KBr                                                                                                                     |
| Interferometer        | Cube-corner Michelson interferomoter                                                                                                         |
| Detector              | High sensitivity pyroelectric module (standard)                                                                                              |
| IR Source             | High intensity, long lifetime, air-cooled IR source                                                                                          |
| Data Output           | Standard data format, report generation and output                                                                                           |
| Software              | MainFTOS Suite software workstation,compatible to all version Windows OS                                                                     |
| Optional accessories  | as gas cell,liquid cell,Defused/Specular Reflection,single/multi reflection ATR, etc.                                                        |



| ATOMIC ABSORPTION SPECTROPHOTOMETER (AAS) |                                          |
|-------------------------------------------|------------------------------------------|
| Art.No.                                   | AAS-320                                  |
| Working Spectral Range                    | 190~900nm                                |
| Wavelength Accuracy                       | ≤±0.5nm                                  |
| Wavelength Repeatability                  | ≤0.3nm (single direction)                |
| Spectrum bandwidth                        | 0.2nm, 0.4nm, 0.7nm, 1.4nm, 2.4nm, 5.0nm |
| Resolution                                | <40%                                     |
| Base Line Stability                       | ±0.004Abs/30min                          |
| Lamp stand                                | 1                                        |
| Graphite Furnace                          | For Option                               |



| FLAME PHOTOMETER |                                                  |
|------------------|--------------------------------------------------|
| Art.No.          | FP-640NC                                         |
| Sensitivity      | K:0.01ppm; Na:0.01ppm                            |
| Measuring range  | K:0-100ppm; Na:0-160ppm                          |
| Linearity        | K:0.195ppm(0.39-3.12)ppm Na:0.69ppm(1.15-9.2)ppm |
| Repeatability    | 1% CV for 20 consecutive samples                 |
| Calculation      | automatic                                        |



| ATOMIC ABSORPTION SPECTROPHOTOMETER (AAS) |                                 |
|-------------------------------------------|---------------------------------|
| Art.No.                                   | AAS-7818                        |
| Working spectral range                    | 190~900nm                       |
| Wavelength accuracy                       | ≤±0.15nm                        |
| Wavelength repeatability                  | ≤0.05nm (single direction)      |
| Spectrum bandwidth                        | 0.1, 0.2, 0.4, 0.7, 1.4, 2.0 nm |
| Detection Limit                           | Cd≤0.8pg, Cu≤5pg                |
| Base line stability                       | ≤0.002A/30min (Cu)              |
| Lamp stand                                | Automated 8-lamp turret         |
| Graphite furnace                          | For option                      |



| FLAME PHOTOMETER |                                                  |
|------------------|--------------------------------------------------|
| Art.No.          | FP-640N                                          |
| Sensitivity      | K:0.01ppm; Na:0.01ppm                            |
| Measuring range  | K:0-100ppm; Na:0-160ppm                          |
| Linearity        | K:0.195ppm(0.39-3.12)ppm Na:0.69ppm(1.15-9.2)ppm |
| Repeatability    | 1% CV for 20 consecutive samples                 |
| Calculation      | manual                                           |



| GAS CHROMATOGRAPH |                                         |            |
|-------------------|-----------------------------------------|------------|
| Art.No.           | GC-Y102A                                | GC+PIP+FID |
| Art.No.           | GC-Y102B                                | GC+SPL+FID |
| Operation         | PC control                              |            |
| Temperature range | 15-399°c(increment 1°c)                 |            |
| detector          | sigle FID                               |            |
| Detection limit   | Dt≤1×10 <sup>-10</sup> g/s (hexadecane) |            |
| Baseline drift    | ≤2×10-12A/h                             |            |
| Accessories       | N2000 chromatograph workstation         |            |
| Optional          | PC                                      |            |



| GAS CHROMATOGRAPH                                                                                                                                                                                     |          |                                                                                                                                                                                   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Art.No.                                                                                                                                                                                               | GC-Y112A | GC+SPL+FID                                                                                                                                                                        |
| Art.No.                                                                                                                                                                                               | GC-Y112B | GC+2xPIP+TCD                                                                                                                                                                      |
| Art.No.                                                                                                                                                                                               | GC-Y112C | GC+SPL+2xPIP+FID+TCD                                                                                                                                                              |
| Specifications                                                                                                                                                                                        |          |                                                                                                                                                                                   |
| Oven:<br>inside capacity:22L<br>Temperature range:Room 5℃ - 400℃<br>Temperature accuracy:±0.1℃<br>Temperature programming:9step<br>Max heating rate:0.1-60℃/min<br>Max Cooling rate:≤10mins(250℃-50℃) |          | Injector:Room temperature7℃ - 420℃<br>Max installation Qty:2<br>Ignition Model:automatic<br>7-inch color touch screen<br>Optional accessories:<br>N2000 chromatograph workstation |
| Hydrogen Flame Ionization Detector(FID):                                                                                                                                                              |          | Logarithmic amplifier<br>Detection limit:≤3x10-12g/s                                                                                                                              |
| Thermal Conductivity Detector(TCD):                                                                                                                                                                   |          | Sencitivity:8000mV.ml/mg<br>(sample:n-hexadecane)                                                                                                                                 |



| GAS CHROMATOGRAPH                                                                                                                                                                                                                                                              |           |                                                                                                                                                                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Art.No.                                                                                                                                                                                                                                                                        | GC-H1120A | (GC+SPL+FID)                                                                                                                                                           |
| Art.No.                                                                                                                                                                                                                                                                        | GC-H1120B | (GC+SPL+2xFID)                                                                                                                                                         |
| Art.No.                                                                                                                                                                                                                                                                        | GC-H1120C | (GC+SPL+2xPIP+2xFID+Software)                                                                                                                                          |
| Specifications                                                                                                                                                                                                                                                                 |           |                                                                                                                                                                        |
| Column oven<br>Temperature Range:<br>Ambient temperature +7℃-400℃(increment 1℃)<br>Temperature control accuracy:better than +0.1℃<br>Temperature program ramps:5 ramps in total<br>Program setting:0.1℃-40℃/min(increment 0.1℃)<br>Maximum run time:655minutes(increment 1min) |           | Hydrogen Ionization Detector(FID)<br>Minimum detectable level:Dt<8x10-12g/s(n-hexadecane)<br>Drift:<6x10-13A/h<br>Liner dynamic range:>106<br>Maximum temperature:400℃ |
| Thermal conductivity detector (TCD)                                                                                                                                                                                                                                            |           | Flame phosphorus detector (FPD)                                                                                                                                        |
| Nitrogen phosphorus detector (NPD)                                                                                                                                                                                                                                             |           | Electron capture detector (ECD)                                                                                                                                        |



| GAS CHROMATOGRAPH-MASS SPECTROMETER |                                                    |
|-------------------------------------|----------------------------------------------------|
| Art No.:                            | GC-MS6800                                          |
| GC specifications                   |                                                    |
| Inlet temperature                   | Max.450°C                                          |
| Pressure range                      | 0-100psi,+0.002psi                                 |
| Pressure control mode               | Electronic pressure control(EPC),support CV and CC |
| Split mode                          | Split/splitless,max.Split ratio:1000:1             |
| Column oven working temperature     | Room temperature+4°C~450°C                         |
| Heating rate                        | Upto120°C/min                                      |
| Temperature programming             | 7stages/8 platforms                                |
| Auto Sampler                        | Optional                                           |
| MS specifications                   |                                                    |
| El source ionization energy         | 5 eV ---250 eV (Adjustable)                        |
| Mass range                          | 1.5-1000amu                                        |
| Resolution                          | Unit resolution (full width at half maximum)       |
| Ion source temperature              | 100-350°C                                          |
| Filament emission current           | 0-350 µA                                           |
| GC-MSInterface Temperature          | Max.450°C                                          |
| stability                           | +0.10 amu/48 hrs                                   |
| Sensitivity                         | Full scan, 1pg OFN at m/z 272 with S/N ≥30:1(RMS)  |
| Scan rate                           | Up to 10000 amu/s                                  |
| Vacuum                              | Turbo molecular pump (67 L/s)                      |
| Detector                            | High-energy dynode electron multiplier             |



| HANDHELD XRF                  |                                                                                                                                                                                                                                                                                                                                     |           |           |                  |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------|------------------|
| Art No.                       | XRF- 3000                                                                                                                                                                                                                                                                                                                           | XRF- 5000 | XRF- 7000 | XRF- 9000        |
| Application                   | ROHS                                                                                                                                                                                                                                                                                                                                | Alloy     | Mineral   | Soil Heavy metal |
| Analytical Method             | Energy dispersive X ray fluorescence analytical Method                                                                                                                                                                                                                                                                              |           |           |                  |
| Elements MeasuringRange       | Atomic number from 12 to 92 [elements from magnesium(Mg) to uranium (U)] can be measured                                                                                                                                                                                                                                            |           |           |                  |
| Simultaneous detectorelements | Simultaneous analysis 40 elements                                                                                                                                                                                                                                                                                                   |           |           |                  |
| Microcomputer system          | Customized system; CPU: 1G; system memory: 1G; extended stored maximum support 32G; standard 4G for mass storage data                                                                                                                                                                                                               |           |           |                  |
| The content range             | ppm~99.99%                                                                                                                                                                                                                                                                                                                          |           |           |                  |
| The detection time            | 1- 60 seconds (a second report results)                                                                                                                                                                                                                                                                                             |           |           |                  |
| A built-in system             | GPS, WIFI, Bluetooth                                                                                                                                                                                                                                                                                                                |           |           |                  |
| Power supply                  | Rechargeable lithium battery, 9000mAh, work up to 12 hours; optional is 27000mAh                                                                                                                                                                                                                                                    |           |           |                  |
| Detection objective           | Solid,liquid, powder                                                                                                                                                                                                                                                                                                                |           |           |                  |
| Detector                      | SDD detector or Fast-SDD detector (optional)                                                                                                                                                                                                                                                                                        |           |           |                  |
| Detector resolution           | Minimum can reach 128ev                                                                                                                                                                                                                                                                                                             |           |           |                  |
| The excitation source         | 50KV/200uA- silver target end window integrated miniature X ray tube and high voltage power supply                                                                                                                                                                                                                                  |           |           |                  |
| Collimator and filter         | Collimator diameters are 4.0mm and 2.0mm, 6 kinds of filters with automatic switching functions                                                                                                                                                                                                                                     |           |           |                  |
| Video system                  | 500W pixel high resolution camera                                                                                                                                                                                                                                                                                                   |           |           |                  |
| Display screen                | Brand new 5 inch transfective LCD touch screen, the resolution is 1080x720                                                                                                                                                                                                                                                          |           |           |                  |
| Detection limit               | The minimum detection limits at 1 ~ 500 ppm                                                                                                                                                                                                                                                                                         |           |           |                  |
| Specialty                     | Ore special edition analysis software, using intelligent one key test                                                                                                                                                                                                                                                               |           |           |                  |
| Data transmission             | Digital multi-channel technology,SPI data transmission, waterproof mini USB, can be connected with a desktop computer                                                                                                                                                                                                               |           |           |                  |
| Accessories                   | Three-military-protection-box is compression, waterproof and shock absorption, Universal charger andcar charger, 4GSD memory card and card readerTwo lithium battery and charger, PDA accessories.radiation shield. Optional accessories: the large battery, seat type festsupport, Bluetooth printer, mil.manual pressure machine. |           |           |                  |



| HPLC LC-W100A<br>(pump+detector+injector+column)                                                                                               |                  |
|------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| Main Configuration                                                                                                                             | Isocratic System |
| High pressure constant flow pump                                                                                                               | LC-100 PLUS      |
| Flow rate Range:0.0001-9.999mL/min<br>RSD<0.06%<br>Peak Operating Pressure:42MPa<br>Pressure Pulsation<0.1MPa                                  |                  |
| Variable wavelength ultraviolet detector                                                                                                       | LC-UV100 PLUS    |
| Wavelength Range:190-680nm<br>Minimum Detection:1x10-8g/ML<br>(Naphthalene/methyl alcohol solvent)<br>Walelength Repeatability:less than 0.2nm |                  |
| Manual injector                                                                                                                                | 7725i            |
| ChemStation Software                                                                                                                           | WS100            |
| Chromatographic column                                                                                                                         | C18              |
| Thermostated Column Compartment                                                                                                                | optional         |



| HPLC LC-W100AN<br>(pump+detector+injector+column)                                                                                              |                      |
|------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Main Configuration                                                                                                                             | Isocratic System     |
| High pressure constant flow pump                                                                                                               | LC-100 PLUS          |
| Flow rate Range:0.0001-9.999mL/min<br>RSD<0.06%<br>Peak Operating Pressure:42MPa<br>Pressure Pulsation<0.1MPa                                  |                      |
| Variable wavelength ultraviolet detector                                                                                                       | LC-UV100 PLUS        |
| Wavelength Range:190-680nm<br>Minimum Detection:1x10-8g/ML<br>(Naphthalene/methyl alcohol solvent)<br>Walelength Repeatability:less than 0.2nm |                      |
| Manual injector                                                                                                                                | 7725i                |
| ChemStation Software                                                                                                                           | with latest software |
| Chromatographic column                                                                                                                         | C18                  |
| Thermostated Column Compartment                                                                                                                | optional             |



| HPLC LC-W100B<br>(2pumps+detector+injector+column+mixer)                                                                                       |                 |
|------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| Main Configuration                                                                                                                             | Gradient System |
| High pressure constant flow pump                                                                                                               | LC-100 PLUS     |
| Flow rate Range:0.0001-9.999mL/min<br>RSD<0.06%<br>Peak Operating Pressure:42MPa<br>Pressure Pulsation<0.1MPa                                  |                 |
| Variable wavelength ultraviolet detector                                                                                                       | LC-UV100 PLUS   |
| Wavelength Range:190-680nm<br>Minimum Detection:1x10-8g/ML<br>(Naphthalene/methyl alcohol solvent)<br>Walelength Repeatability:less than 0.2nm |                 |
| High pressure gradient mixer                                                                                                                   | LC100SM         |
| Manual injector                                                                                                                                | 7725i           |
| ChemStation Software                                                                                                                           | WS100           |
| Chromatographic column                                                                                                                         | C18             |
| Thermostated Column Compartment                                                                                                                | optional        |



| HPLC LC-W100BN<br>(2pumps+detector+injector+column+mixer)                                                                                      |                      |
|------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Main Configuration                                                                                                                             | Gradient System      |
| High pressure constant flow pump                                                                                                               | LC-100 PLUS          |
| Flow rate Range:0.0001-9.999mL/min<br>RSD<0.06%<br>Peak Operating Pressure:42MPa<br>Pressure Pulsation<0.1MPa                                  |                      |
| Variable wavelength ultraviolet detector                                                                                                       | LC-UV100 PLUS        |
| Wavelength Range:190-680nm<br>Minimum Detection:1x10-8g/ML<br>(Naphthalene/methyl alcohol solvent)<br>Walelength Repeatability:less than 0.2nm |                      |
| High pressure gradient mixer                                                                                                                   | LC100SM              |
| Manual injector                                                                                                                                | 7725i                |
| ChemStation Software                                                                                                                           | with latest software |
| Chromatographic column                                                                                                                         | C18                  |
| Thermostated Column Compartment                                                                                                                | optional             |



| ChroMini HPLC LC-80MI<br>(pump+detector+injector+column)                                                                                                                                                                                                                                                                         |                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| Main Configuration                                                                                                                                                                                                                                                                                                               | All-in-one          |
| HPLC isocratic System                                                                                                                                                                                                                                                                                                            | LC-80               |
| Flow rate range: 0.001–5.000 mL/min, in 0.001 mL increments Flow accuracy: ≤ ± 0.1% (1.00ml/min, H2O,R.T.,8.5MPa); Flow precision: RSD≤0.5% (1.00ml/min, H2O,R.T.,8.5MPa)Maximum pressure: 5800 psi ; Pressure accuracy: ≤ ± 1.0%; Pressure pulsation: ≤0.1 MPa                                                                  |                     |
| Dual-piston reciprocating parallel                                                                                                                                                                                                                                                                                               | P80 C               |
| Flow Presion: RSD < 0.5%; Fluctuation: 0.1MPa ; Mixing Accuracy ±1%;Mixing Precision:±0.2%                                                                                                                                                                                                                                       |                     |
| UV Detector                                                                                                                                                                                                                                                                                                                      | UV80                |
| Wavelength Range: 190-680 nm ;Flow cell volume: 8nm; Wavelength Accuracy: ±1 nm ; Wavelength Precision: <0.1nm; Minimum Detectable Concentration: 5×10-9 g/mL; Noise :±0.25×10-5AU(Static)/ ±1×10-5AU(dynamic, under specified requirements); Drift : ≤ 0.4×10-4AU/h(Static)/±2×10-4AU/h (dynamic, under specified requirements) |                     |
| Manual injector                                                                                                                                                                                                                                                                                                                  | 7725i               |
| Chromatographic Data-processing Workstation                                                                                                                                                                                                                                                                                      | WS-80               |
| Chromatographic column                                                                                                                                                                                                                                                                                                           | C18 5µm ID4.6×250mm |
| Thermostated Column compartment                                                                                                                                                                                                                                                                                                  | optional            |



| Ultra High Performance Liquid Chromatography<br>System HPLC LC-EX1800                                                                                                                                                                                                                                                                                                                                                                                            |                    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| Main Configuration                                                                                                                                                                                                                                                                                                                                                                                                                                               | Quaternary System  |
| Quaternary Pump                                                                                                                                                                                                                                                                                                                                                                                                                                                  | EX1800 QLPC        |
| Infusion System:Linear motor digital-driven pump<br>Flow range:0.001-10mL/min,n0.001mL/min increments<br>Maximum operating pressure:70MPa(corresponding 10150psi)<br>Flow precision:≤0.06%RSD ;Flow accuracy:≤ ± 0.3%<br>Compression compensation:Automatic,continuous,selectable solvent type<br>Post-column cleaning:Automatic post-column cleaning functionwhich can control the cleaning flow rate<br>Gradient setting range:0-100%; Degassing chamber:480uL |                    |
| UV Detector                                                                                                                                                                                                                                                                                                                                                                                                                                                      | EX1800 UV          |
| Flow cell:Volume 10.0uL; adopts cone structure<br>Light source:deuterium lamp;Wavelength range:190–700nm<br>Spectral bandwidth:8nm;Wavelength accuracy: ± 1nm Wavelength precision:<0.1nm<br>Noise:≤0.25*10–5AU(static)/≤4*10–5AU(dynamic under specified test conditions)                                                                                                                                                                                       |                    |
| Thermostated Column compartment                                                                                                                                                                                                                                                                                                                                                                                                                                  | EX1800 CO          |
| Temperature control range:5℃-80℃ above room temperature;ceramic heating module<br>Teperature stability:±0.1℃;Temperature accuracy:±0.5℃ up to two pre-post preheaters<br>Column capacity: up to 4x30cm columns(ultra-efficient columns 8x5cm,10cm)<br>Optional:column switching valve<br>Temperature control method: microcomputer controlled active air circulation                                                                                             |                    |
| Manual injector                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 7725i              |
| Chromatographic Data-processing Workstation                                                                                                                                                                                                                                                                                                                                                                                                                      | EX-Clarity C50     |
| Chromatographic column                                                                                                                                                                                                                                                                                                                                                                                                                                           | C18 150mm+C8 150mm |
| Solvent tray                                                                                                                                                                                                                                                                                                                                                                                                                                                     | EX1800 TR          |
| This liquid chromatograph has a wide range of applications, and different detectors and pumps can be selected and quoted according to customer requirements. such as: PDA Detector;FL Detector; ELS Detector;RI Detector.                                                                                                                                                                                                                                        |                    |
| Optional                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Arcus AUTOSAMPLER; |



Autosampler

| AMINO ACID LIQUID CHROMATOGRAPHY<br>(pump+detector+injector+column) |                                                                                                                |
|---------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Art No.                                                             | LC2300AAA                                                                                                      |
| Flow Range                                                          | 0.001– 9.999ml/min                                                                                             |
| Delivery method                                                     | Double piston( Main & Auxilliary)                                                                              |
| Pump head                                                           | 10ml SST/Peek analytical                                                                                       |
| Accuracy                                                            | ± 1% or ± 2µL/min, whichever is greater ± 1% or ± 1µL/min, whichever is greater (Micro)                        |
| Flow rate settings                                                  | 0 - 0.10 mL/min. 0.001 inc.0.10 – 0.90 mL/min. 0.010 inc. 1.0 mL/min.+ 0.10 inc.                               |
| Precision                                                           | 0.1% RSD;Pmax: 9999 psi                                                                                        |
| System connections                                                  | 1/16" capillaries                                                                                              |
| UV Detector                                                         |                                                                                                                |
| Wavelength                                                          | 190-700 nm ;Spectral bandwidth: 6 nm                                                                           |
| Wavelength Accuracy                                                 | ≤±1 nm; Wavelength Reproducibility:≤± 0.1 nm                                                                   |
| Flow pool volume                                                    | 8 µ L                                                                                                          |
| Optical path:                                                       | 10 mm                                                                                                          |
| Dynamic Drifting                                                    | ≤± 1×10-4AU (Methanol, 1ml/min, 254nm, 20°C)                                                                   |
| Static Drifting                                                     | ≤± 0.5×10-4AU(Empty pool, Response time1s, 20 °C)                                                              |
| High precision HPLC autosampler (For Option)                        |                                                                                                                |
| Injection mode                                                      | full loop injection, partial injection, no loss injection                                                      |
| Injection volume                                                    | programmable 0-10000uL                                                                                         |
| Syringe volume                                                      | 1000uL (standard), 125uL, 250uL, 500uL, 5000uL (optional)                                                      |
| Sample capacity                                                     | Two sets of sample holders                                                                                     |
| Sample vials                                                        | 54 × 2 (2ml), 96 × 2 (2ml), 4 × 6 (4ml), 3 × 5 (10ml) optional, compatible with small and large volume samples |



| Carbon & Sulfur Analyzer                                                                                                                                                        |                                                                                                                                               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Art.No.                                                                                                                                                                         | CSA-IR5                                                                                                                                       |
| High-frequency infrared Carbon & Sulfur Analyzer can determine the percentage of carton and sulfur in steel,iron,alloy,nonferrous metal,cement,mineral,glass and other material |                                                                                                                                               |
| Working Principle:                                                                                                                                                              | High-frequency inductive combustion and infrared absorption system                                                                            |
| Sample Weight(solid steel)                                                                                                                                                      | standard 0.5g                                                                                                                                 |
| Accuracy:                                                                                                                                                                       | C/S:0.1ppm                                                                                                                                    |
| Analysis Time:                                                                                                                                                                  | 20-100s adjustable(normally:35s)                                                                                                              |
| Working Cycle:                                                                                                                                                                  | 24hours                                                                                                                                       |
| Appearance:                                                                                                                                                                     | Desktop detector,with desktop high-frequency fumace,save space                                                                                |
| Analysis Range:                                                                                                                                                                 | C:0.0005%-6.0000%<br>(can be extended to 99.999%)<br>S:0.0005%-0.35000%<br>(can be extended to 99.999%)                                       |
| Standard Accessories:                                                                                                                                                           | Main unit,high frequency automatic inductive combustion furnace, electric balance,computer,printer1000times effective analysis of spare parts |



| DIGITAL MELTING POINT APPARATUS |                                                                 |
|---------------------------------|-----------------------------------------------------------------|
| Art.No.                         | MP-1B                                                           |
| Measuring range                 | Room temperature ~300℃                                          |
| Temperature display             | 0.1℃                                                            |
| Accuracy                        | <200℃: ±0.5℃<br>200℃~300℃: ±0.8℃                                |
| Size of the capillary:          | φ 1.4mm(outside diameter) 30mm<br>φ 1.0mm(inside diameter) 30mm |



| MELTING-POINT APPARATUS |                                                           |
|-------------------------|-----------------------------------------------------------|
| Art.No.                 | MP-1C                                                     |
| Measurement range       | Room temperature ~ 400℃                                   |
| Minimum digital display | 0.1℃                                                      |
| Accuracy                | ≤200℃: ±0.4℃; >200℃: ±0.7℃                                |
| Linear heating-up rate  | 0.1℃ ~20℃ /min                                            |
| Size of the capillary:  | φ1.4mm(outside diameter)<br>φ1.0mm(inside diameter), 80mm |



| MELTING-POINT APPARATUS WITH MICROSCOPE |                                       |
|-----------------------------------------|---------------------------------------|
| Art.No.                                 | MP-M4                                 |
| Melting-point Measurement range         | Room temperature -320℃                |
| Repeatability                           | < 200℃: ± 1℃;<br>200-300℃: ±2℃        |
| Optic magnification                     | 10 X (Eye lens)<br>4X(Objective lens) |



| AUTOMATIC POLARIMETER      |                                  |
|----------------------------|----------------------------------|
| Art.No.                    | POL-2B                           |
| Measuring range            | ±45°                             |
| Accuracy                   | ±(0.01°+measuring value x 0.05%) |
| Repeatability              | ≤0.01°                           |
| Minimum indicating value   | 0.002°                           |
| Monochromatic light source | sodium lamp(589.44nm)            |
| Sample tube                | 200nm,100mm                      |



| POLARIMETER                  |              |
|------------------------------|--------------|
| Art.No.                      | POL-4        |
| Photometry range             | -180° ~+180° |
| Division value of dial       | 1°           |
| Reading value of dial nonius | 0.05°        |
| Zoom multiple of magnifier   | 4×           |



| SEMI-AUTOMATIC POLARIMETER |                                           |
|----------------------------|-------------------------------------------|
| Art.No.                    | POL-20T                                   |
| Measurement Modes          | Optical Rotation, Concentration , Z (ISS) |
| Measuring Range            | ±90°, ±130°Z                              |
| Accuracy                   | ±0.02°, ±0.05°Z                           |
| Resolution                 | 0.005°                                    |
| Wavelength                 | 589nm                                     |
| Light Source               | LED, Interference filter                  |
| Test Tube                  | 50/100/200mm                              |
| Display                    | 5.6 inch TFT touch screen                 |



| DIGITAL ABBE REFRACTOMETER |                                                                                  |
|----------------------------|----------------------------------------------------------------------------------|
| Art.No.                    | REF-AB2S                                                                         |
| Measuring range            | Refractive index nD: 1.3000-1.7000<br>Brix BX-TC: 0-95%<br>Brix BX: 0-95%*       |
| Measuring accuracy         | Refractive index nD: ±0.0002<br>Brix BX-TC: ±0.1%<br>Brix BX: 0-95%:0.1%         |
| Temperature:               | Temperature displaying:0~50℃<br>Correcting range of BX versus temperature:15-45℃ |



| ABBE REFRACTOMETER              |             |
|---------------------------------|-------------|
| Art.No.                         | REF-AB2J    |
| Refractive index(nD) range      | 1.300~1.700 |
| Refractive index (nD) accuracy  | A±0.0002    |
| Refractive index (nD) min. div. | 0.0005      |
| Brix(%) range                   | (0~95)%     |



| HAND-HELD REFRACTOMETER                                              |         |          |
|----------------------------------------------------------------------|---------|----------|
| Art.No.                                                              | REF-H2  | REF-H90A |
|                                                                      | REF-H32 | REF-H80  |
| can supply all the specifications<br>according to customer's request |         |          |



| CONDUCTIVITY METER       |                               |
|--------------------------|-------------------------------|
| Art.No.                  | DDS-307                       |
| Conductivity range       | 0.001~2x10 <sup>5</sup> μs/cm |
| Accuracy                 | ±1% of Full scale             |
| Temp. compensation range | 15~40℃                        |



| CONDUCTIVITY METER        |                                                            |
|---------------------------|------------------------------------------------------------|
| Art.No.                   | DDS-307A                                                   |
| Conductivity range:       | (0-199.9) u s/cm;0.1u s/cm,<br>(200-1999) u s/cm;0.1u s/cm |
| Accuracy:                 | ± 1% of full scale                                         |
| Temp. compensation range: | 15~40℃                                                     |



| PH METER    |                            |
|-------------|----------------------------|
| Art.No.     | PH-25C                     |
| Range:      | 0.00-14.00PH<br>0 ± 1999mV |
| Resolution: | 0.01PH                     |
| Accuracy:   | ±0.05PH                    |



| PH METER   |                 |
|------------|-----------------|
| Art.No.    | PH-25S          |
| Range      | PH:0.00-14.00PH |
| Temp.      | -9.9-99.9℃      |
| Resolution | 0.01PH          |
| Accuracy   | ±0.05PH         |



| PH METER   |                                   |
|------------|-----------------------------------|
| Art.No.    | PHS-3C                            |
| Range      | PH:0.00~14.00mV:0~±1999mV℃:0~100℃ |
| Resolution | PH:0.01PH mV:1mV ℃:0.1℃           |
| Accuracy   | PH:±0.01PH mV:±5mV℃:±0.4℃         |
| Power      | DC9V (Adaptor)                    |



| PORTABLE PH METER |                 |
|-------------------|-----------------|
| Art.No.           | PH-8414         |
| Range             | PH:0.00-14.00PH |
| Temp              | 0-100℃          |
| Resolution        | 0.01PH          |
| Accuracy          | ±0.01PH         |



| Art.No.    | PH107      | PH108  | PH98107    | PH98108 |
|------------|------------|--------|------------|---------|
| Range      | 0.0-14.0PH |        | 0.0-14.0PH |         |
| Resolution | 0.1PH      |        | 0.01PH     |         |
| Accuracy   | ±0.2 PH    | ±0.1PH | ±0.1PH     | ±0.05PH |
| A T C      | no         | 0℃-55℃ | no         | 0℃-55℃  |
| Power      | 3×1.5v     | 4×1.5v | 3×1.5v     | 4×1.5v  |



| BOD ANALYZER       |                                                                                                   |
|--------------------|---------------------------------------------------------------------------------------------------|
| Art.No.            | BOD-573                                                                                           |
| Measurement Range  | 0-4000mg/L                                                                                        |
| Accuracy           | Qualified for BOD 5 accuracy test<br>(Glucose-Glutamic acid standard solution BOD 5 =180-230mg/L) |
| Measurement Period | 1-30 days                                                                                         |
| Sample             | ≤6                                                                                                |



| Karl Fischer Titrator         |                               |
|-------------------------------|-------------------------------|
| Art.No.                       | KFT-40                        |
| Volumetric Titration Range    | 0.1mg~250mg                   |
| Polarization Current Accuracy | 0.1mg                         |
| Working Current               | 1μA±0.2μA; 50μA±10μA          |
| Repeatability                 | ±0.5%                         |
| Power Supply                  | AC Adapter 100-240 V AC input |



| PH METER               |                                                  |
|------------------------|--------------------------------------------------|
| Art.No.                | PH-2F                                            |
| Range                  | PH:0.00~14.00 mV:0~±1400 mV °C:0~60°C            |
| Resolution             | PH:0.01PH mV:1mV                                 |
| Accuracy               | PH:±0.01PH±1bit/3h MV:±2mV                       |
| Standard Configuration | E-201-C. Combination Electrode ; Standard Buffer |



| PH METER      |                         |            |
|---------------|-------------------------|------------|
| Art.No.       | PH-706                  |            |
| Parameters    | Range                   | Resolution |
| PH/PX         | -2.00~20.00             | 0.01       |
| ORP(optional) | ±1999.9mV               | 0.1mV      |
| Resistivity   | 0.00Ω.cm ~ 20.00MΩ.cm   | 0.01Ω.cm   |
| Conductivity  | 0.000μS/cm ~ 199.9mS/cm | 0.001μS/cm |
| TDS           | 0.000mg/L ~ 100g/L      | 0.001mg/L  |

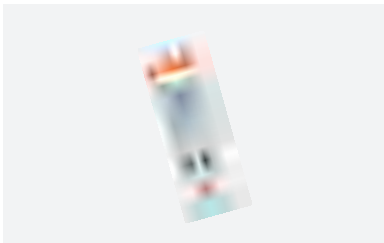


| Auto Potential Titrator     |                      |
|-----------------------------|----------------------|
| Art.No.                     | PT-A2                |
| Parameters                  | mV(ORP)/PH           |
| Measuring Range             | ±1400mv,0.00~14.00ph |
| Resolution                  | 1mV,0.01PH           |
| Accuracy                    | ±5MV,±0.03PH±1 BIT   |
| Control Titration Sensitive | 5MV,±0.1PH           |



#### Dissolved Oxygen Meter

|            |                              |
|------------|------------------------------|
| Art.No.    | DO-T605                      |
| Parameters | Concentration/ Saturation/°C |
| Range      | 0.00~45.00mg/L               |
|            | 0.0~300.0%<br>-5.0~115.0°C   |
| Accuracy   | ±0.10mg/L                    |
|            | 2.0%FS                       |
|            | ±0.2°C                       |
| Stability  | (±0.07mg/L)/1h               |



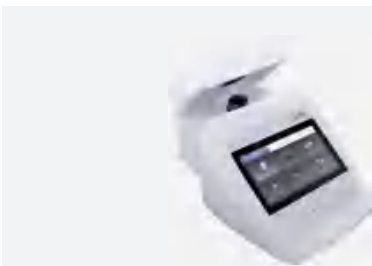
#### Dissolved Oxygen Portable Meter

|            |                        |
|------------|------------------------|
| Art.No.    | DO-T607                |
| Parameters | Concentration/°C       |
| Range      | DO (0.0~20.0)mg/L      |
|            | Temperature 0.0~40.0°C |
| Accuracy   | DO ±0.30mg/L           |
|            | Temperature ±0.5°C     |
| Stability  | (±0.10mg/L)/3h         |



#### Turbidimeter

|                       |                     |         |          |           |          |
|-----------------------|---------------------|---------|----------|-----------|----------|
| Portable Turbidimeter | TBD-20B             | TBD-50B | TBD-200B | TBD-200BS | TBD-400B |
| Table Turbidimeter    | TBD-20A             | TBD-50A | TBD-200A | TBD-200AS | TBD-400A |
| Measuring Principle   | 90° Scattered Light |         |          |           |          |
| Measure range (NTU)   | 0~20                | 0~50    | 0~200    | 0~200     | 0~400    |
| Min. Indicating Value | 0.01                | 0.01    | 0.01     | 0.1       | 0.01     |
| Zero Drift            | ±1.5%(F.S 30min)    |         |          |           |          |
| Indication Stability  | ±1.5%(F.S 30min)    |         |          |           |          |
| Repeatability         | ≤2%                 |         |          |           |          |



#### Benchtop Turbidity Meter

|                       |                                                          |
|-----------------------|----------------------------------------------------------|
| Art.No.               | TBD-T200                                                 |
| Measurement Method    | ISO 7027 nephelometric method (90°)                      |
| Turbidity Range       | 0~2000 NTU/FNU, 0~500 EBC, 0~9999 ASBC                   |
| TSS Range             | Deponds on conversion factor                             |
| Resolution            | 0.01 (0~100 NTU), 0.1 (100~999 NTU), 1 (999~2000 NTU)    |
| Calibration Standards | 0.02, 10, 200, 500, 1000, 1500, 2000 NTU or User-Defined |
| Light Source          | Infrared-emitting diode (850 nm wavelength)              |
| Detector              | Silicon Photodiode                                       |
| Stray Light           | < 0.02 NTU                                               |



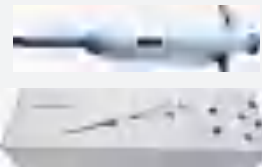
#### Portable Water Hardness Meter

| Art.No.           | WHM-P322             |
|-------------------|----------------------|
| Water Hardness    |                      |
| Range             | 0.05mmol/L~0.2mol/L  |
| Range (CaCO3)     | 0~19999mg/L          |
| Range (CaO)       | 0~11220mg/L          |
| Range (Boiler)    | 0~400mmol/L          |
| Range (Ca)        | 0~8020mg/L           |
| Temperature       |                      |
| Range             | 0~105°C              |
| Accuracy          | ±0.5°C               |
| Calibration Range | Measured value ±10°C |



#### PORTABLE CONDUCTIVITY /SALINITY METER

|                          |                                                  |
|--------------------------|--------------------------------------------------|
| Art.No.                  | CSM-P531                                         |
| Conductivity Range       | 0~20.00, 200.0, 2000μS/cm, 20.00, 200.0mS/cm     |
| Conductivity Accuracy    | ±0.5% F.S                                        |
| Calibration Points       | 1 to 5 points                                    |
| Calibration Solutions    | 10μS/cm, 84μS/cm,1413μS/cm,12.88mS/cm,111.8mS/cm |
| Temperature Compensation | 0~100°C, 32~212°F, Manual or Automatic           |
| Temperature Coefficient  | 0.0~10.0%/°C                                     |
| Cell Constant            | K=0.1, 1, 10                                     |
| Salinity Range           | 0~10ppt (Max. 80ppt)                             |
| Temperature Range        | 0~105°C, 32~221°F                                |



#### PIPETTE

|                                                                                             |
|---------------------------------------------------------------------------------------------|
| Fixed pipette                                                                               |
| Specification:(ul)5, 10, 20, 25, 50, 100, 200, 250, 2000, 2500, 5000                        |
| Adjustable pipette                                                                          |
| Specification:(ul)0.5-10, 2-20, 5-50, 10-100, 20-200, 50-200, 100-1000, 200-1000, 1000-5000 |



#### PIPETTE

|                                                                                             |
|---------------------------------------------------------------------------------------------|
| Fixed pipette                                                                               |
| Specification:(ul)5, 10, 20, 25, 50, 100, 200, 250, 2000, 2500, 5000                        |
| Adjustable pipette                                                                          |
| Specification:(ul)0.5-10, 2-20, 5-50, 10-100, 20-200, 50-200, 100-1000, 200-1000, 1000-5000 |



#### PIPETTE (8CHANNEL AND 12CHANNEL)

|                                         |
|-----------------------------------------|
| Adjustable pipette                      |
| Specification:(ul)0.5-10, 5-50, 50-300. |



#### PIPETTE PUMP

|            |
|------------|
| 2ml,blue   |
| 10ml,green |
| 25ml,red   |



#### MICROPIPETTE TIPS

|                       |             |
|-----------------------|-------------|
| Micropipet Tips 10ul  | Transparent |
| Micropipet Tips 200ul | Yellow      |
| Micropipet Tips1000ul | Blue        |



#### MICROPIPETTE TIPS RACKS

|                              |               |
|------------------------------|---------------|
| Micropipet tips racks 10u    | 96holes Rose  |
| Micropipet tips racks 200u   | 96 holes Rose |
| Micropipet tips racks 1000ul | 96holes Rose  |



#### PIPETTE STAND

|                |
|----------------|
| Art.No. DY-PS6 |
| 6 hangers      |
| Round Stand    |



#### PIPETTE STAND

|                 |
|-----------------|
| Art.No. DL- PS6 |
| 6 hangers       |
| Round Stand     |



#### PIPETTE STAND

|                |
|----------------|
| Art.No. PSD-H6 |
| 6 hangers      |
| Linear Stand   |



| Living Leaf Area Meter      |                       |
|-----------------------------|-----------------------|
| Art.No.                     | LAM-B                 |
| maximum scanning length:    | 3000mm                |
| Maximum scanning width:     | 210mm                 |
| Maximum measured thickness: | ≤7.5mm                |
| Scanning speed:             | 150mm / s             |
| LCD display:                | 480 * 854 RGB display |



| Temperature And Humidity Recorder                                        |                  |
|--------------------------------------------------------------------------|------------------|
| Art.No.                                                                  | THR-20/THR-20L   |
| Temperature:                                                             | Range: -40℃-120℃ |
| Humidity:                                                                | Range: 0-100%RH  |
| Dew point                                                                | Range: -40℃-120℃ |
| THR-20:Detect and record temperature and humidity                        |                  |
| THR-20L:Detect and record temperature, humidity and dew point same time. |                  |



| Automatic Seed Counter  |                      |
|-------------------------|----------------------|
| Art.No.                 | SPC -CP              |
| Count Range:            | 1-12mm               |
| Count Accuracy:         | ±2‰                  |
| Count Speed:            | ≥1000 /3min (Sesame) |
| Counting Range:         | 1~99999              |
| Noise:                  | <70db                |
| Continuous working time | ≥ 5Hr                |
| Operation Environment   | -10℃- 50℃, <85% RH   |



| Soil Nutrient Tester                                                                              |                                                                             |
|---------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| Art.No.                                                                                           | SNT-6A / SNT-6PC                                                            |
| Linearity errors:                                                                                 | red light for Copper sulfate, and blue light forpotassium bichromate < 3.0% |
| Wavelength range:                                                                                 | Red light 620±5nm; Blue light440±5nm                                        |
| pH technical :                                                                                    | Testing range: 1-14 Error: ±0.1                                             |
| Salinity technical:                                                                               | Testing range: 0.01% -1.00% Error: ±5%                                      |
| TPY-6A:Test N,P,K,organic matter,soil pH,soil salinity<br>TYP-6PC:Based on TPY-6A,with a software |                                                                             |



| Semi-automatic Kjeldahl Nitrogen Analyzer |                                                                                                   |
|-------------------------------------------|---------------------------------------------------------------------------------------------------|
| Art.No.                                   | KDN-TP1                                                                                           |
| Measure variety:                          | soil, water, medicine, precipitate, chemical, foodstuff, feedstuff, foods, dairy products, drink, |
| Measure range:                            | 0.1~200mgN (nitrogen content 0.1%-99%).                                                           |
| Recovery rate:                            | ≥99% (relative error, include digestion process)                                                  |
| Repetition rate:                          | relative standard deviation<±1%                                                                   |
| Cooling water consumption:                | digestion: 5L/min                                                                                 |
| Distillation:                             | 3L/min (Water temperature is less than 20℃)                                                       |
| Necessary Option for use:                 | 4 holes---1000W, 8 holes---1500W, 20 holes---2000W                                                |



| Soxhlet Extraction Fat Analyzer |                                                                                               |
|---------------------------------|-----------------------------------------------------------------------------------------------|
| Art.No.                         | SEF-06C                                                                                       |
| Measuring range:                | oil content within the scope of 0.5%-60% of good, feed, oil and various kinds of fat products |
| Measuring sample quantity:      | 6 simultaneously                                                                              |
| Heating time:                   | within 10 min                                                                                 |
| Recovery system:                | automatic                                                                                     |
| Recovery rate:                  | ≥80%                                                                                          |
| Temperature controllng range:   | room temperature 0-100℃                                                                       |
| Power:                          | AC220V/50Hz, 1000W                                                                            |



| TABLET FRIABILITY TESTER |            |
|--------------------------|------------|
| Art.No.                  | TFT-1      |
| Cylinder number          | 2          |
| Cylinder radius          | Φ286mm     |
| Cylinder depth           | 39mm       |
| Tablet fall height       | 156mm      |
| Rotation speed           | (20-90)rpm |
| Rotation Speed accuracy  | ±1rpm      |
| Rotation count           | (10~900)r  |
| Rotation count accuracy  | ±1r        |



| TABLET HARDNESS TESTER   |                |
|--------------------------|----------------|
| Art.No.                  | THT-1          |
|                          | THT-2P         |
| Hardness range           | (2~199.9)N     |
|                          |                |
| Hardness accuracy        | Max. *(±0.05%) |
| Moving distance of probe | 20mm           |
|                          |                |



| TABLET FOUR-USAGE TESTER |                           |
|--------------------------|---------------------------|
| Art.No.                  | TFUT-3                    |
| Temperature range        | (ambient to +39.9℃) ±0.3℃ |
| Speed range              | (20~200)rpm±2rpm          |
| Automatic time range     | (1~900)min±0.5min         |
| Stations of dissolution  | 3                         |
| Paddle radial run-out    | ±0.5mm                    |
| Basket radial run-out    | ±1.0mm                    |
| Basket assemblies        | 2                         |



| DISINTEGRATION TESTER               |              |
|-------------------------------------|--------------|
| Art.No.                             | DIT-2        |
| Basket assembly                     | 2            |
| Nacelle back and forth frequency    | (30~32) /min |
| Nacelle back and forth range        | (55±1)mm     |
| Automatic time range                | (5~120)min   |
| Accuracy of controlling temperature | (37±0.5)℃    |



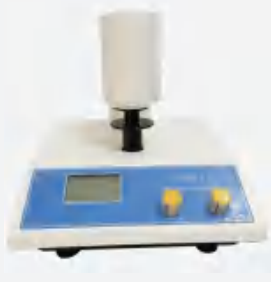
| DISSOLUTION TESTER        |                   |
|---------------------------|-------------------|
| Art.No.                   | DST-6             |
| Speed range               | (20~200)rpm       |
| Speed accuracy            | ±2rpm             |
| Temperature range         | ambient to +45.0℃ |
| Temperature Stability     | ±0.3℃             |
| Preset timing nine points | (1~999)min        |



| SERIES SINGLE-PUNCH TABLET PRESS |                |                |
|----------------------------------|----------------|----------------|
| Art.No.                          | STP-1.5T       | STP-5T         |
| Max. Pressure(KN)                | 15             | 50             |
| Max. Dia. of Tablet(mm)          | 12             | 18             |
| Max. Depth of Filling (mm)       | 12             | 18             |
| Throughput (pc/h)                | 5000           | 4500           |
| Motor Power(w)                   | 550W 380V/50Hz | 550W 380V/50Hz |
| Rotary Speed of Motor(r/min)     | 1400           | 1400           |
| Weight(KG)                       | 90             | 120            |
| Outline Dim.(mm) (L X W X H)     | 570×380× 630   | 650× 440× 650  |



| TAP DENSITY TESTER      |                                                         |                   |
|-------------------------|---------------------------------------------------------|-------------------|
| Art No.                 | TDT-6604A(single)                                       | TDT-6604B(double) |
| Sample weight           | ≤500g                                                   |                   |
| Single vibration number | ≤ 99999 (Error less than 1 of 10000.                    |                   |
| Motor torque            | 0.86 N.m.                                               |                   |
| Frequency               | Max. 300 rpm / min (continuous adjustable in 0-300 rpm) |                   |
| Amplitude               | maximum 15mm (1mm ~ 15 mm integer variable)             |                   |
| Repeatability           | ≤ 1%.                                                   |                   |
| Relative humidity       | less than 85%, no condensation.                         |                   |



| WHITENESS METER      |                                         |
|----------------------|-----------------------------------------|
| Art.No.              | WM-2                                    |
| Measuring Range:     | 0-199;                                  |
| Measuring Condition: | 45/0;                                   |
| Illuminant:          | D65;Show system; LCD monitor;           |
| Whiteness Mean:      | whiteness degree of blue light wb=R457; |
| Minimum Readout:     | 0.1;                                    |
| Calibrate:           | 30;Zero Draft:0.1;                      |
| External Dimension:  | 325*265*280mm;                          |



| VICKERS HARDNESS TESTER           |                                                                                                           |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------|
| Art.No.                           | HT-1D                                                                                                     |
| Test force                        | 10gf(0.098N)· 25gf(0.245N)· 50gf(0.49N)· 100gf(0.98N)· 200gf(1.96N)· 300gf(2.94N)· 500gf(4.9N)· 1Kg(9.8N) |
| Meet standard                     | GB/T4340 ASTM E92                                                                                         |
| Measurement resolution            | 0.01μm                                                                                                    |
| Conversion scale                  | Rockwell· Brinell                                                                                         |
| Hardness test range               | 8~2900HV                                                                                                  |
| Test force application method     | Automatic loading、dwell、unloading                                                                         |
| Test microscope magnification     | 100X(Observation) 400X testing                                                                            |
| Maximum allowable specimen height | 100mm                                                                                                     |
| Distance from indenter to wall    | 130mm                                                                                                     |
| X-Y stage                         | Dimension 100*100mm Max.movement 25*25mm                                                                  |



| DIGITAL BRINELL HARDNESS TESTER    |                                                                                                                                                       |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Art.No.                            | HT-3000D                                                                                                                                              |
| Brinell scale                      | HBW2.5/62.5、HBW2.5/187.5、HBW5/62.5、HBW5/125、HBW5/250、HBW5/750、HBW10/100、HBW10/250、HBW10/500、HBW10/1000、HBW10/1500、HBW10/3000                          |
| Test force Kg                      | 62.5kgf(612.9N)、100kgf(980.7N)、125kgf(1226N)、187.5kgf(1839N)、250kgf(2452N)、500kgf(4903N)、750kgf(7355N) 1000kgf(9807N)、1500kgf(14710N)、3000kgf(29420N) |
| Carried standard                   | BSEN 6506, ISO 6506, ASTM E10, GB/T231                                                                                                                |
| Test force accuracy                | 62.5 ~ 250kgf≤1% 500 ~ 3000kgf≤0.5%                                                                                                                   |
| Measuring device resolution        | 0.1um                                                                                                                                                 |
| Hardness value resolution          | 0.1HBW                                                                                                                                                |
| Max. Height of specimen            | 200mm                                                                                                                                                 |
| Distance of indenter to outer wall | 155mm                                                                                                                                                 |



| LASER PARTICLE SIZE ANALYZER |                                                          |
|------------------------------|----------------------------------------------------------|
| Art.No.                      | PSA-S1076                                                |
| Test Range:                  | 0.1um-500um (Wet Method)                                 |
| Measurement Principle        | Mie Scattering Theory/Laser Diffraction Principle        |
| Repeatability:               | <1% (Certified Reference Material SB2005 D50)            |
| Accuracy:                    | <1% (Certified Reference Material SB2005 D50)            |
| Light Source                 | Semiconductor Laser Diode(life time more than 25000 hrs) |
| Measurement Time             | <60 seconds (Sample preparation time is not included)    |
| Operating Systems            | Windows XP/ Windows 7                                    |



| Rotary Viscometer     |                   |
|-----------------------|-------------------|
| Art.No.               | RV-1A             |
| Rotors speed (r/min)  | 6/12/30/60        |
| Speed governing       | Manual dived      |
| Rotor                 | 1、 2、 3、 4        |
| Measure range (mPa·s) | 1~10 <sup>5</sup> |
| Measure error         | ±5%               |



| Digital Rotary Viscometer |                    |
|---------------------------|--------------------|
| Art.No.                   | RV-5S              |
| Display mode              | digital            |
| Rotors speed (r/min)      | 6/12/30/60         |
| Rotor                     | 1、 2、 3、 4         |
| Measure range (mPa·s)     | 10~10 <sup>5</sup> |
| Measure error             | ±5%                |



| Digital Rotary Viscometer |                                                                 |
|---------------------------|-----------------------------------------------------------------|
| Art.No.                   | RV-8S                                                           |
| Display mode              | digital                                                         |
| Rotor velocity:           | 0.3 rpm,0.6 rpm,1.5 rpm,3 rpm,6 rpm,12 rpm, 30 rpm, and 60 rpm; |
| Rotor types:              | 1#, 2#, 3# and 4# rotors;                                       |
| Measurement range:        | 10mPa·s ~ 2x106 mPa·s;                                          |
| Measurement error:        | ±5% (Newton liquid)                                             |



| Rapid Visco Analyzer      |                                                  |
|---------------------------|--------------------------------------------------|
| Art.No.                   | VSC-80                                           |
| Sample dosage             | 2~3g                                             |
| Rising and cooling speed  | up to 14°C/min                                   |
| Temperature accuracy      | no more than ±0.3°C                              |
| Temperature control range | 0~99.9°C                                         |
| Speed range               | computer control, adjustable range of 20~1000rpm |
| Speed accuracy            | ±1% (160rpm)                                     |
| Usage unit                | CP and RVU                                       |
| Viscosity range           | 40~12000CP (80rpm)                               |
| Viscosity accuracy        | ±3% (S2000 oil, 5000CP)                          |



| Sample Concentration               |               |
|------------------------------------|---------------|
| Art.No.                            | SC-200        |
| Temperature control range:         | RT.+5°C~150°C |
| Temp. control accuracy @40~100°C:  | ±0.5°C        |
| Temp. control accuracy @100-150°C: | ±1°C          |
| Temp. accuracy for blocks @40°C:   | ±0.3°C        |
| Display Accuracy:                  | 0.1°C         |
| Heating Time (from 40-150°C):      | ≤30min        |
| Standard Blocks:                   | 1             |
| Needle Length:                     | 150mm         |
| Nitrogen Consumption:              | 0~15L/min     |



| Easy Type Constant Flow Pump |                  |                |
|------------------------------|------------------|----------------|
| Art.No.                      | CFP-100          | CFP-200        |
| Output flow                  | 0.016~148ml/min  |                |
| Channel                      | Single channel   | Double channel |
| Applicable pump head         | YZ15             |                |
| Hoses pecification           | 12#、14#、17#、19#  |                |
| Speed range                  | 0~150 Speed /min |                |
| Output pressure              | ≥3kg/cm²         |                |



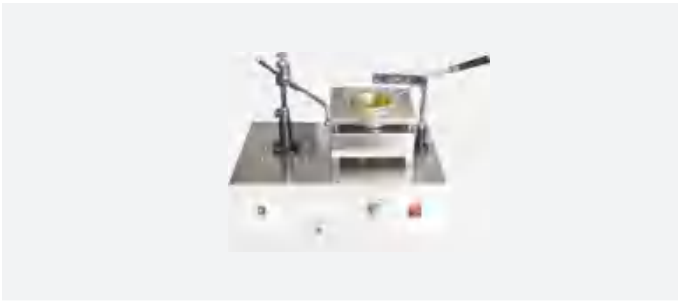
| Digital tube automatic part collector |                                              |         |
|---------------------------------------|----------------------------------------------|---------|
| Art.No.                               | PC-A100                                      | PC-A160 |
| Collection tubes                      | 100pcs                                       | 160pcs  |
| Max                                   | 12ml/pc                                      | 5ml/pc  |
| Timing Collect Range                  | 1s-24hr                                      |         |
| Display mode                          | LED display,chip control, menu operation     |         |
| Data Saving When Power Off            | 10 years                                     |         |
| Environment                           | Temperature 0=40°C,humidity is less than 85% |         |



| Oxygen Bomb Calorimeter |                |
|-------------------------|----------------|
| Art.No.                 | OBC-1A         |
| Heat capacity           | 14000~15000J/K |
| Temp measurement range  | 10~35℃         |
| Temperature resolution  | 0.001℃         |
| Repeatability error     | 0.2%(Grade C)  |



| Differential scanning Calorimeter |                                          |
|-----------------------------------|------------------------------------------|
| Art.No.                           | DSC-100                                  |
| Temperature Range                 | Room temperature~600℃                    |
| Temperature Fluctuation           | ±0.01℃                                   |
| Heating Rate                      | 0.1~100℃/min                             |
| Control Method                    | PID temperature control,temperature rise |
| DSC Range                         | 0~±600mW                                 |



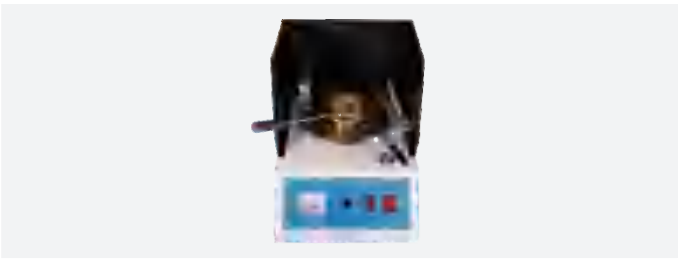
| Cleveland Open Cup Flash Point Tester |                                                                                                     |
|---------------------------------------|-----------------------------------------------------------------------------------------------------|
| Art.No.                               | FPT-536                                                                                             |
| Heating device                        | Quartz tube electric furnace; there is no flame and it is anti-explosive. The heating power: 0~600W |
| Thermometer                           | -6~400℃ ; Scale division is 2℃ ; asper GB /T514                                                     |
| Flame application device              | (1)Gas source: coal gas(or other civil combustible gas)<br>(2)Spout diameter:0.6~0.8mm              |
| Relative humidity                     | ≤ 85%                                                                                               |
| Ambient temperature                   | -10℃~50℃                                                                                            |



| Closed Cup Flash Point Tester |                                                                                                 |
|-------------------------------|-------------------------------------------------------------------------------------------------|
| Art.No.                       | FPT-261                                                                                         |
| Heating device                | The heating power :0~600W                                                                       |
| Electric stirring device      | (1) 90~120 rpm, for procedure A;<br>(2) 250±10 rpm, for procedure B;                            |
| Flame ignition device         | (1) Gas source: coal gas (or other civil gas);<br>(2) Aperture of flame ignition device: 0.8 mm |
| Ambient temperature           | ≤35℃                                                                                            |
| Relative humidity             | ≤85%                                                                                            |



| Kinematic Viscometer                              |                                                                                      |
|---------------------------------------------------|--------------------------------------------------------------------------------------|
| Art.No.                                           | KNV-265C                                                                             |
| Heating power                                     | 1800W                                                                                |
| Stirring motor                                    | 1200 RPM                                                                             |
| Temperature range                                 | Ambient to 100.0℃                                                                    |
| Constant temperature bath                         | 20L, double shell structure.                                                         |
| Ambient temperature                               | -15℃~+35℃                                                                            |
| Capillary viscometer tubes(Pinkevitch viscometer) | 6 pieces in total, inner diameter for each: 0.6mm, 0.8mm, 1.0mm, 1.2mm, 1.5mm, 2.0mm |



| Open cup flash and fire point tester |                                                                                                          |
|--------------------------------------|----------------------------------------------------------------------------------------------------------|
| Art.No.                              | FFP-101                                                                                                  |
| heating method:                      | quartz tube electric furnace heating, no open flame,explosion-proof,power0 600W continuously adjustable. |
| sweep device:                        | automatic sweeping.                                                                                      |
| Thermometer                          | -6~400℃, indexing 2℃                                                                                     |
| measurement range:                   | (1) Ignition source: gas<br>(2) Nozzle aperture: 0.6~0.8 mm.                                             |
| Ambient temperature:                 | -10 ° C ~ 50 ° C.                                                                                        |
| temperature adjustment:              | ≤ 85%.                                                                                                   |



| Metallographic Specimen Mounting Presses |                                                                           |
|------------------------------------------|---------------------------------------------------------------------------|
| Art.No.                                  | MSM-2B                                                                    |
| Punch diameter of specimen:              | φ22mm or φ30mm or φ45 mm<br>(choose one kind of diameter when purchasing) |
| Temperature controlling range:           | 0-300℃                                                                    |
| Timing range:                            | 0-30 minutes                                                              |
| Consumption:                             | ≤ 800W                                                                    |



| Automatic Metallographic Specimen Mounting Presses |        |
|----------------------------------------------------|--------|
| Art.No.                                            | MSM-A1 |
| Mould diameter:                                    | Ø 30mm |
| Heater:                                            | 650W   |
| Transducer:                                        | 300W   |
| Total power consumption:                           | 1000W  |



| Metallographic Sample Cutting Machine |            |
|---------------------------------------|------------|
| Art.No.                               | MSC-2      |
| The largest cutting area:             | Φ35mm      |
| Wheel-chip specifications:            | 250*2*32mm |
| Rotating speed:                       | 2860r/min  |
| Motor:                                | 1.1 Kw     |



| Metallographic Sample Polishing Machine |                                        |
|-----------------------------------------|----------------------------------------|
| Art.No.                                 | MSP-2                                  |
| Grinding disc:                          | diameter φ230mm, rotating speed 450rpm |
| Polishing disc:                         | diameter φ203mm, rotating speed 600rpm |
| Diameter of abrasive paper:             | φ200mm                                 |
| Motor:                                  | 370W                                   |



| Impact Specimen Gap Electronic Broaching Machine |                                                          |
|--------------------------------------------------|----------------------------------------------------------|
| Art.No.                                          | ISG-B                                                    |
| Processing gap:                                  | V(2mm)-type (GB/T 229-2007), U(2mm)-type (GB/T 229-2007) |
| Sample size:                                     | 10 × 10 × 55, 10 × 7.5 × 55, 10 × 2.5 × 55               |
| Broach itinerary:                                | 350mm(V2,U2,U3) 400mm(U5)                                |
| Broaching speed:                                 | 2.3m/min                                                 |



| Digital Display Compression Testing Machine |             |                           |             |
|---------------------------------------------|-------------|---------------------------|-------------|
| Art.No.                                     | DCT-2000    | down press plate size:    | 300mm×250mm |
| The largest load:                           | 2000 kN     | press plate space:        | 280 mm      |
| measure scope:                              | 0-2000 kN   | the maximum oil pressure: | 40MPa       |
| up press plate size:                        | 240mm×240mm |                           |             |