BioLAB

PRODUCT CATALOG

TESTER PETROLEUM EQUIPMENT

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TESTER PETROLEUM EQUIPMENT

Petroleum testing is the analysis during upstream, midstream, and downstream production processes of petroleum products. It is most commonly used to test petroleum product, its product components, byproducts of crude oil, fuel, natural gas, upstream oil and gas and other formats of petroleum.
Used in Petroleum Industry, PVC Pipe Industry.

BPTL-201 LOW TEMPERATURE PUMPABILITY & GELATION INDEX TESTER

Automatic calibration procedure,graphic display. Multi-point temperature calibration,can be added by user. It has tube locking function,can avoid influencing accuracy when tube is moved for high viscosity.

SPECIFICATIONS

Model	BPTL-201
Lifting method	One-click, Automatic
Viscosity and Gelation curve	Automatic scan
Gelation index and Temperature analysis	Automatic
Temperature	Multi-point calibration

BPTL-202 SHEAR STABILITY TESTER

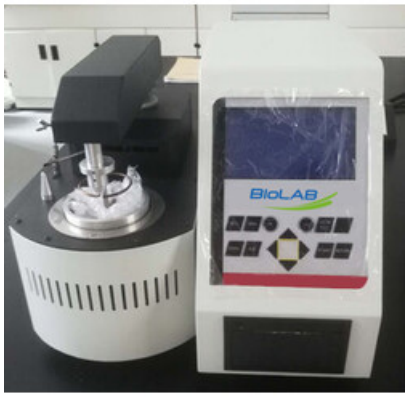
Independent desktop controller,high integrated function button easy operation. Automatic stroke counter can cut off power automatically.

SPECIFICATIONS

Model	BPTL-202
Timing method	Automatic stroke timer

Temperature control range	30 - 35 °C
Rotation speed	925 ± 25 r/min
Power	1100 W

BPTL-203 OPEN CUP FLASH POINT TESTER



Adopt split structure. Automatical correct influence of atmospheric pressure,and calculate corrected value. Automatic forced air cooling after test.

SPECIFICATIONS

Model	BPTL-203
Mode	Fully automatic
Structure	Adopt split
Record test result	100 groups
Refrigeration method	Automatic forced air cooling

BPTL-204 OXIDATION STABILITY TESTER

Rotator is different as per test methods. Sputter turbine stirrer guarantees temperature uniformity of bath.

SPECIFICATIONS

Model	BPTL-204
Measuring oxidation characteristics of	Extreme-pressure lubrication oils
Measuring oxidation stability of	Distillate fuel oil (Accelerated Method)
Measuring sludging and corrosion tendencies of	Inhibited mineral oils
Optional accessory	Metal bath and rotameter

BPTL-205 FLASH POINT AND FIRE POINT TESTER

Use heat resistant glass interlayer on the heater,avoid oil splash and fire breaking out. Automatic stop if there isn't operation after heating 20 minutes. Automatic air cooling when temperature is too high.

SPECIFICATIONS

Model	BPTL-205
Air cooling	Automatic when temperature is too high
Stop	Automatic if there isn't operation after heating 20 minutes
Heating	Can only be started if press switch 3 seconds,avoiding touch by mistake.
Safety	Use heat resistant glass interlayer on the heater,avoid oil splash and fire breaking out

BPTL-206 EVAPORATION LOSS TESTER

Temperature sensor measure oil temperature in crucible directly. Air cooling after test,make the next test faster. Efficient carbon fibre heating tube can raise temperature rapidly,with little hysteresis and uniform heating.

SPECIFICATIONS

Model	BPTL-206
Heating	Dry heating,avoiding toxicity produced by traditional wood's metal heat conduction
Temperature sensor	Measures oil temperature in crucible directly
Air cooling	Makes the next test faster
Pressure gauge	Red oil differential pressure gauge with level meter inside
Alarm	Buzzer prompts when test is finished
Rapid rise in temperature	Can be raised by efficient carbon fibre heating tube with little hysteresis and uniform heating.

BPTL-207 CLOSED CUP FLASH POINT TESTER

Automatic forced air cooling after test. Flame size is adjustable. Protect program and self-diagnosis function.

SPECIFICATIONS

Model	BPTL-207
Lifting system	Automatic
Opening lid and Ignition	Automatic
Flame size	Adjustable
Air cooling	Automatic forced air cooling after test.
Touch screen	Displays test temperature,number of oil sampler,test time etc
Function	Protect program and self-diagnosis
Corrective function	Date,Time,Temperature and Atmospheric pressure

BPTL-208 RUST PREVENTION TESTER

Independent quiet stirrer,can test one or several samples. Each stirrer controls rotating speed, test time and automatically stop when test is finished.

SPECIFICATIONS

Model	BPTL-208
Working units	4
Stirrer	Independent quiet, controls rotating speed, test time and automatically stop
Liquid circulator	Sputtering multi-channel
Mixing blade	Sliding automatic
Safety protection device	Prevent over-low liquid level

BPTL-209 THERMAL STABILITY TESTER

Eco-friendly metal bath heating,high effect of heat insulation. Air filling and releasing device with pressure gauge,adjusted by needle valve.

SPECIFICATIONS

Model	BPTL-209
Working units	1 - 4
Temperature	Upto 400 °C
Metal bath heating	Eco-friendly,high effect of heat insulation
Test bomb	Standard stainless steel with inlet valve of 20m1
Safety protection device	Air filling and releasing device with pressure gauge,adjusted by needle valve.

BPTL-210 AIR RELEASE PROPERTIES TESTER

Temperature of bath and air are controlled separately. Automatically control blowing time and defoaming time, accuracy can reach 0.01s. Press-on joint is easy to dismantle tube.

SPECIFICATIONS

Model	BPTL-210
Accuracy	Upto 0.01 s
Samples size	2, simultaneously
Tube	Press-on joint make it easy to dismantle
Blowing time and Defoaming time control	Automatic
Liquid circulator	Sputtering multi-channel
Temperature of bath and air	Controlled separately
Screen	Display pressure

Safety	Safety protection device an prevent over-low liquid level, with needle valve to adjust

BPTL-211 COPPER STRIP CORROSION TESTER

Can test lubricating oil and grease with different cylinders. Eco-friendly metal bath heating,no need heat-conducting medium. There is prompt when test is finished.

SPECIFICATIONS

Model	BPTL-211
Samples size	6, simultaneously
Test samples	Lubricating oil and grease with different cylinders
Safety	Safety protection device an prevent over-high liquid level
Metal bath	Eco-friendly heating,no need heat-conducting medium

BPTL-212 WATER SEPARABILITY TESTER

Sliding automatic location device,no need to adjust blade. Sputtering scroll liquid circulator can guarantee temperature uniformity of each point very well.

SPECIFICATIONS

Model	BPTL-212
Working units	9
Stirrer	Digital, rotating, adjustable speed
Stirring time and record separation time	Automatically controlled
Unit of separation time	Selective
Safety	Safety protection device an prevent over-low liquid level
Liquid circulator	Sputtering scroll

BPTL-213 DENSITY TESTER

Low noise magnetic pump cross circulation structure. Can test density of antifreeze

SPECIFICATIONS

Model	BPTL-213
Working units	2
Test sample	Antifreeze
Temperature control range	Ambient to 20 °C ± 0. 1 °C
Refrigeration	Shock absorption compressor, fluorine free
Bath	Low temperature with lighting
Magnetic pump	Low noise with cross circulation structure
Safety	Safety protection device an prevent over-low liquid level

BPTL-214 HYDROLYTIC STABILITY TESTER

Air cooling system starts heat radiation automatically when temperatrure of instrument surface is too high. New V type door opening mode, completely transparent high temperature resistant glass door.

SPECIFICATIONS

Model	BPTL-214
Samples size	4 groups sample expandable to 8 groups
Sample bottle	Automatic 360° turn
Air cooling system	Starts heat radiation automatically when temperature of instrument surface is too high
Enamel tank	High quality, corrosion resistant, easy to clean with fan circulation and lighting.
Door	New V type door opening mode, completely transparent high temperature resistant glass door.

BPTL-215 FOAMING CHARACTERISTICS TESTER

Separated structure,including main unit, gas source controlled. Sputtering turbine stirrer guarantees temperature uniformity. Touch screen operation,segment timing foam volumn with buzzer prompt(optional).

SPECIFICATIONS

Model	BPTL-215
Units	Main unit and gas source controller
Flow meter	Electronic, controls flow at 94 ± 5 ml/min (optional)
Air filter	With molecular sieve
Bath	Refrigerated, 360° circulating, complete transparent.
Holding device	Special holding device, can prevent cylinder floating upward very well press block is unnecessary.
Stirrer	Sputtering turbine stirrer guarantees temperature uniformity
Safety device	Avoids over-heating or low liquid level
Operation	Touch screen
Optional	Segment timing foam volume with buzzer prompt.

BPTL-216 THERMAL STABILIY TESTER

Heating aluminum black is placed in tank directly,with bracket. High quality enamel tank has fan circulation and lighting inside. New V type door opening mode,completely transparent high temperature resistant glass door.

SPECIFICATIONS

Model	BPTL-216
Samples size	8 groups sample simultaneously
Air cooling system	Starts heat radiation automatically when temperature of instrument surface is too high
Tank	High quality enamel tank, corrosion resistant and easy to clean

Fan	With fan circulation and lighting inside.
Door	New V type door opening mode, completely transparent high temperature resistant glass door.

BPTL-217 HIGH TEMPERATURE FOAMING CHARACTERISTICS TESTER

Product Image Coming Soon

Special holding device can prevent cylinder floating upward very well,press block is unnecessary. Air filter,with molecular sieve. Electronic flow meter controls flow at 200±5 ml/min(optional)

SPECIFICATIONS

Model	BPTL-217
Units	Main unit and gas source controller
Flow meter	Electronic, controls flow at 200 ± 5 ml/min (optional)
Air filter	With molecular sieve
Case	Metal protective,with reinforced glass viewing window.
Holding device	Special holding device, can prevent cylinder floating upward very well press block is unnecessary.
Stirrer	Sputtering turbine stirrer guarantees temperature uniformity
Safety device	Avoids over-heating or low liquid level
Operation	Touch screen
Optional	Segment timing foam volume with buzzer prompt.

BPTL-218 COOLING PERFORMANCE TESTER

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Curves of multi test results can be superimposed on one picture to contrast and analyze. Display maximum cooling speed,temperature of maximum cooling speed,cooling speed at 300°C, time etc.

SPECIFICATIONS

Model	BPTL-218
Probe	Released and lifted automatically
Cooling speed	300 °C
Test medium	Oil, Water, Quench liquid, Saline-alkaline solution, Steel rolling coolant, Cutting fluid.
Results	Curves of multi test results can be superimposed on one picture to contrast and analyze.
Display	Maximum cooling speed, Temperature of maximum cooling speed

BPTL-219 FOAMING TENDENCY TESTER

Product Image Coming Soon

Special holding device can prevent cylinder floating upward very well,press block is unnecessary. Air filter,with molecular sieve. Electronic flow meter controls flow at 1000±5 ml/min(optional)

SPECIFICATIONS

Model	BPTL-219
Units	Main unit and gas source controller
Flow meter	Electronic, controls flow at 1000 ± 5 ml/min (optional)
Air filter	With molecular sieve
Holding device	Special holding device, can prevent cylinder floating upward very well press block is unnecessary.
Structure	360° complete transparent structure,easy to observe
Stirrer	Sputtering turbine stirrer guarantees temperature uniformity
Safety device	Avoids over-heating or low liquid level
Operation	Touch screen
Optional	Segment timing foam volume with buzzer prompt.

BPTL-220 FREEZING POINT TESTER

Product Image Coming Soon

Make two test simultaneously,calculate adverage value. Replace magnetic stirrer with mechanical stirrer, which can avoid uneven mixing and influencing measuring accuracy. Adjustable tube clamp can fix test tube perfectly.

SPECIFICATIONS

Model	BPTL-220
Samples size	2 sample simultaneously
Calculate	Adverage value
Temperature	- 70 °C
Refrigerant	Dual air compressors
Stirrer	Mechanical stirrer, which can avoid uneven mixing and influencing measuring accuracy
tube clamp	Adjustable can fix test tube perfectly
Lowered temperature curve	Automatic
Freezing point calculation	Automatic

BPTL-221 POUR POINT TESTER

Dry type over speed refrigeration technology without medium. Temperature of two troughs are controlled separately. Compact structure,can put on platform directly

SPECIFICATIONS

Model	BPTL-221
Trough	Two, temperature controlled separately
Samples size	2 samples in each trough
Tempearture Range	Reach -30°C in 30 minutes and the lowest temperature is -70°C ,
Refrigeration	Dry type over speed refrigeration technology without medium

Refrigerant	Fluorine free
Structure	Compact structure,can put on platform directly

BPTL-222 BOILING POINT TESTER

Comply with test requirements of antifreeze and brake fluid. Digitally display control voltage. High temperaeture resistant glass partition

SPECIFICATIONS

Model	BPTL-222
Furnace	IR heating furnace no radiation, fast temperature rising speed
Test requirements	Comply with test requirements of antifreeze and brake fluid
Glass partition	High temperature resistant
Display	Control voltage

BPTL-223 CORROSION-PREVENTIVE PROPERTIES TESTER

Bearing seat made of engineering plastics can avoid corrosive influence caused by metal bearing seat. Automatically stop motor when test is finished. Can do static and dynamic tests.

SPECIFICATIONS

Model	BPTL-223
Tests	Static and Dynamic
Motor	Automatic stop when test is finished
Operation	Observe bearing through reflector with zoom function
Time	Can edit working time and stop time
Bearing seat	Made of engineering plastics can avoid corrosive influence

BPTL-224 CORROSION TESTER

Sputtering multi-channel liquid circulator can guarantee temperature uniformity very well. Condenser quick detachable device

SPECIFICATIONS

Model	BPTL-224
Working units	3, can be extended to 4-6 units
Circulator	Sputtering multi-channel liquid circulator can guarantee temperature uniformity
Condenser	Quick detachable device
Safety protection device	Can prevent over-low liquid level

BPTL-225 WATER WASHOUT RESISTANCE TESTER

Unique design,no need to start test shaft,and start water pump circulating system independently. Upgraded connecting shaft can quickly install and dismantle bearing and inside and outside baffle.

SPECIFICATIONS

Model	BPTL-225
Motor	fixed speed 600 rpm
Temperature	Control test temperature at 38 °C and 79 °C as per ASTM standard
Independent start	Test shaft and Start water pump circulating system
Shaft	Upgraded connecting shaft can quickly install and dismantle bearing and inside and outside baffle

BPTL-226 LOW-TEMPERATURE TORQUE TESTER

Transparent viewing window is anti-frosting,can observe test situation in cage directly. Multi-wing blow supplies strong air circulating,avoid any dead corner and make uniform temperature distribution in test area.

SPECIFICATIONS

Model	BPTL-226
Cooling capacity	Can reach to -75 ℃
Motor	Fixed speed
Refrigerant	Tecumseh compressor
Time	Automatically controlled
Viewing window	Transparent and anti-frosting
Starting torque and Running torque	Automatically record
Safety protection devices	For over-temperature,over-load, leakage,short circuit,supply phase,fault phase etc.

BPTL-227 OXIDATION STABILITY TESTER

Can re-evaluate every test curve.By setting the evaluating time range, take certain section of curve to evaluate,whcih can avoid some sections with abnormal data caused by washing,sample or other reasons. Independent flow control system can automatically control flow of every sample.

SPECIFICATIONS

Model	BPTL-227
Samples size	4 sample simultaneously
Flow control system	Independent system, can automatically control flow of every sample.
Curve of conductivity and Induced knee point	Automatically recorded
Test curve	Can re-evaluate every test curve

Software	Functions of multi-curve comparing and curve analysis, measure induced response time and evaluate stable time

BPTL-228 OXIDATION STABILITY TESTER

Product Image Coming Soon

Automatically fill in or discharge oxygen and detect leakage. Over-tempeature protection device,automatically power off when themperature exceeds set value. Auxiliary heating device guarantees the uniform tempeature field of bombs.

SPECIFICATIONS

Model	BPTL-228
Oxygen	Automatically fill in or discharge oxygen and detect leakage
Oxygen bombs	Two independent, can work separately
Pressure-time curve and turning point	Automatic draw and determine
Safety protection devices	Over-temperature protection device, automatic power off when temperature exceeds set value
Heating device	Auxiliary heating device guarantees the uniform temperature field of bombs
Display	Big color touch screen is easy to operate

BPTL-229 COLD FILTER PLUGGING POINT TESTER

Only need to set expected temperature of cold filter plugging point,button start and finish test automatically. Automatically release pressure in tube after 1min suction filtration

SPECIFICATIONS

Model	BPTL-229
Detection	Non-contact IR detection technology
Vacuum tanks	Two 5L
Temperature	Only need to set expected temperature of cold filter
Plugging point, Button start and Finish test	Automatic
Pressure	Automatic pressure release in tube after 1 min suction filtration

BPTL-230 VAPOUR PRESSURE TESTER

Equipped with quick connector,make sure the test can be performed quickly and easily. Automatic temperature control,alarming while reaching required test temperature.

SPECIFICATIONS

Model	BPTL-230
Test units	Two test units allow independent test for two samples at the same time
Display	Big colorful touch screen is convenient to use
Test accuracy	360° horizontal flip and oscillation improves test accuracy
Temperature control	Automatic temperature control, alarming while reaching required test temperature
Connector	Equipped with quick connector, make sure the test can be performed quickly and easily

BPTL-231 AUTOMATIC DISTILLATION TESTER

Test procedure complies with standards,data is reliable. Can supply initial boiling point and final boiling point. Automatically control heating of distillation furnace,the flow speed of sample from initial boiling point to 95% is controlled within 4-5ml every munite. Easy operation,having functions of saving and query.

SPECIFICATIONS

Model	BPTL-231
Controlling system	SCM controlling system can automatically complete raising temperature, cooling, tempeature recording,printing etc
Liquid level tracking	High accuracy by laser tracking system
Flow speed of sample	Controlled within 4 - 5ml every minute from initial boiling point to 95%
Heating of distillation furnace	Automatically controlled
Test processes	Complies with standards, data is reliable, can supply initial boiling point and final boiling point
Operation	Easy, with functions of saving and query.
Display	10 inches full touch LCD screen can display data of temperature and volume and monitor process fully automatically

BPTL-232 CLEVELAND OPEN CUP FLASH POINT TESTER

Product Image Coming Soon

It adopts special heating furnace to ensure the safety of test. It is applicable to all petroleum products with flash points above 79℃ and below 400℃ except fuel oils. The heating power is continuously adjustable. It can meet requirements of test. The instrument is fully self-contained complete. The operator can do determination as long as connecting with coal gas or other civil gas. With fast cooling function, it can improve test efficiency.

SPECIFICATIONS

Model	BPTL-232
Igniting device	
Ignition source	Coal gas (or civil gas)
Nozzle aperture	About 0.8 mm
Thermometer	(-6～400) ℃. Scale is 2 ℃
Ambient temperature	(15~35) ℃
Relative humidity	≤ 85 %
Test flame applicator	It applies the test flame automatically
Heating device	furnace heating, no naked fire, explosion prevented
Power supply	AC（220±10%）V, 50Hz.
Power consumption	≦650W
Dimension	350×290×350 mm (thermometer is not included)
Net weight	5.5 kg

BPTL-233 CLEVELAND OPEN CUP FLASH POINT TESTER

Product Image Coming Soon

It adopts technology of single chip microcomputer and LCD screen. It is applicable to all petroleum products with flash points above 79℃ and below 400℃ except fuel oils. The LCD screen has prompt menu, prompt type input for operation interface. It shows set parameters and real-time display sample temperature and other parameters. Press the record key when flash point appearing. The screen will display and save flash point value. It is newly design and small structure. It is equipped with wind-shelter and flame extinguishing cover which are accord with requirements of test. Accurate heating rate.The instrument can do test automatically. Operator only need to observe the flash point appearing. The cost performance is high.

SPECIFICATIONS

Model	BPTL-233
Igniting device	
Ignition source	Coal gas (or civil gas)
Flame diameter	3.2 mm～4.8 mm
Temperature range	0 ℃～400 ℃
Display accuracy	0.1 ℃
Temperature control	Single chip microcomputer
Temperature sensor	RTD, PT100
Heating device	Electric furnace heating, no naked fire, explosion prevented
Flash point detecting device	It applies the test flame automatically
Ambient temperature	(-10~50) ℃
Relative humidity	≤ 85%
Power consumption	≦650W
Power supply	AC（220±10%）V, 50Hz.
Dimension	340×320×450 mm (Temperature sensor is included)

BPTL-234 AUTOMATIC COC FLASH POINT TESTER

The instrument adopts LCD screen to display. It is applicable to all petroleum products with flash points above 79℃ and below 400℃ except fuel oils. Differential coefficient detection.Automatically correct the system deviation.

SPECIFICATIONS

Model	BPTL-234
Mode	Electric ignition
Ignition mode	
Gas flame diameter	3.2 mm～4.8 mm
Flash point determination	
Range	Ambient to 400℃
Repeatability	≤ 8℃ (Flash Point)
Reproducibility	≤ 17 ℃ (Flash Point)
Ambient temperature	(10～40) ℃
Power supply	AC（220±10%）V, 50Hz
Maximum power consumption	500 W
Dimension	460×430×290 mm
Net weight	22.5 kg

BPTL-235 AUTOMATIC COC FLASH POINT TESTER

Product Image Coming Soon

It adopts an 8-inch IPS high-definition capacitive screen. Using 32-bit ARM processor and high-precision AD chip, the test data and parameters are recorded in real time and displayed by curve. It is applicable to all petroleum products with flash points above 79℃ and below 400℃ except fuel oils. Equipped with Bluetooth interface. The user can query test data anytime. Remote automatic upgrade to obtain the latest version, remote prediction, abnormal early warning, comprehensive evaluation and maintenance of instrument operation status.

SPECIFICATIONS

Model	BPTL-235
Mode	Electric ignition
Ignition mode	
Diameter of igniter	0.7 mm～0.8 mm
Heating rate	
Initial heating	14～17 ℃/min
Heating_rate	It is (5-6)℃/ min after reaching the preset flash point 20℃
Flash point determination	
Range	Ambient to 400 ℃
Accuracy	0.1 ℃
Ambient temperature	(15～35) ℃
Relative humidity	≤ 85%
Fire extinguishing device	(1) when the fire point appears, it can automatically extinguish the fire and return to its original position; (2) it can also manually press the key to extinguish the fire
Data transmission mode	Bluetooth
Power supply	AC（220±5%）V, 50Hz
Total power consumption	≦700W
Dimension	510×320×330 mm
Net weight	20 kg

BPTL-236 PMCC FLASH POINT TESTER

The heating power is continuously adjustable. The power is shown visually by voltmeter. The temperature control mode is advanced and reasonable. The structure is designed small and exquisite. The stainless-steel table board is beautiful and easy to clean. Operation is easy. Test results are precise. It has been chosen as the instrument to test the closed cup flash point by many metering and detecting institutes.

SPECIFICATIONS

Model	BPTL-236
Oil cup	
Inner diameter	50.7 mm～50.8 mm
Depth	55.7 mm～56.0 mm
The scribed line depth of capacity of testing oil	33.9mm～34.3mm
Capacity of testing oil	About 70ml
Igniting source	Gas（or other civilian fuels)
Stir mode	Mechanical drive stirring
Stirring rate： Procedure A	(90～120) rpm
Stirring rate： Procedure B	(250±10) rpm
Heating device	(1)The furnace body is made of silicon carbide. (2)Heating power is adjustable from (0-600)W
Heating mode	Adjust by manual
Thermometers：Mercury-in-glass thermometer	Scale 90℃～370℃,division 2℃
Ambient temperature	（15～35）℃
Relative humidity	≤ 85%
Power supply	AC (220±10%)V, 50Hz
Total power consumption	≤ 650W
Dimension	370×320×300 mm
Net weight	7 kg

BPTL-237 PMCC FLASH POINT TESTER

Single chip microcomputer control technique.LCD screen displays. The heating power is continuously step-less adjustable. The rate of heating up is exact.Easy setting for parameters. Press the "record"button when the flash point appears. The screen will show and reserve the flash point.

SPECIFICATIONS

Model	BPTL-237
Heating device	(1) The furnace is silicon carbide material. Power is 600W. (2) The heating power is adjustable from 0 W to 600W
Heating_rate	Procedure A: (5～6)℃/min, Procedure B: (1～1.5)℃/min
Stirring device	(1)Stirring motor: BYGH101 stepping motor. (2) Driving mode: flexible shaft. (3) Shaft size: 8mm×40mm
Stirring rate	Procedure A: (90～120) rpm, Procedure B: (250±10) rpm
Stand oil cup	
Internal diameter	50.7mm～50.8mm
Depth	55.7mm～56.0mm
Marking depth of oil testing capacity	33.9mm～34.3mm
Oil test capacity	About 70ml
Igniting device	
Igniting source	Gas（or other civilian fuels）
Ambient temperature	（15～35）℃
Relative humidity	≤ 85%
Power supply	AC（220±10%）V, 50Hz
Total power consumption	≦650W
Dimension	340×330×380 mm
Net weight	9 kg

BPTL-238 AUTOMATIC PMCC FLASH POINT TESTER

It adopts an 8-inch IPS high-definition capacitive screen. Temperature rise, cover opening, ignition, detection and printing data are completed automatically, and the test arm rises and falls automatically. Electronic ignition, gas flame, automatic air cooling at the end of the test.

SPECIFICATIONS

Model	BPTL-238
Heating rate	
Procedure A	(5～6) ℃/min
Procedure B	(1～1.5) ℃/min
Procedure C	(3.0±0.5) ℃/min
Stirring rate：Procedure A and C	(90～120) rpm
Stirring rate：Procedure B	(250±10) rpm
Stirring rate	Automatic control and manually adjustable
Flash point determination：Range	Ambient to 230 ℃
Flash point determination：Accuracy	0.1 ℃
Igniting_mode	Electric ignition
Igniting mode	
Diameter of igniter	0.7mm～0.8mm
Ambient temperature	(15～35) ℃
Relative humidity	≤ 85%
Data transmission mode	Bluetooth
Power supply	AC(220±5%)V，50 Hz
Total power consumption	≤ 600W
Dimension	510×320×330 mm
Net weight	20 kg

BPTL-239 RAPID LOW TEMPERATURE CLOSED CUP FLASH POINT TESTER

Product Image Coming Soon

The instrument is specially suitable to determine different kinds of colored paints,oil paints, adhesives,solvents and petroleum products which the closed cup flash point is -30℃～50℃. It can realize purpose of testing closed cup flash point rapidly and at low temperature. Test sample needed is less 2ml for each time（4ml for solid sample and semi-solid sample). The determination procedure is automatically completed except ignition.Test results can be printed automatically.

SPECIFICATIONS

Model	BPTL-239
Flash point measuring range	-30℃～+50℃
Temperature resolution	± 0.1℃
Igniting device	Electric igniting gun
Cooling mode	Semiconductor(with cold water cycle at external connection)
Igniting source	Gas，LPG（or other civilian fuels）
Ambient temperature	5℃～30℃
Relative humidity	（30～80）%
Total power consumption	≦300W
Dimension	490×520×390 mm
Net weight	25.5 kg

BPTL-240 RAPID LOW TEMPERATURE CLOSED CUP FLASH POINT TESTER

Product Image Coming Soon

The instrument is specially suitable to determine different kinds of colored paints,oil paints, adhesives,solvents and petroleum products which the closed cup flash point is 0℃～100℃. The instrument adopts semiconductor refrigeration device and external water cooling device.The size is small and cooling rate is rapid.Easy to operate. Test sample needed is less. than 2ml for each time（4ml for solid sample and semi-solid sample)

SPECIFICATIONS

Model	BPTL-240
Flash point measuring range	-10℃～+100℃
Temperature resolution	± 0.1℃
Igniting device	Electric igniting gun
Cooling mode	Semiconductor(with cold water cycle at external connection)
Igniting source	Gas，LPG（or other civilian fuels）
Ambient temperature	5℃～30℃
Relative humidity	（30～80）%
Total power consumption	≦300W
Dimension	490×520×390 mm
Net weight	25.5 kg

BPTL-241 WATER CONTENT TESTER

The instrument is suitable to determine the water content of petroleum products and to determine the water content of lubricating grease. It adopts double-unit structure. It can do determination for two samples. The gripper is designed reasonably. The installation and dismantlement are convenient.

SPECIFICATIONS

Model	BPTL-241
Heating control	Can be continuously adjusted by a silicon knob, manual.
Ambient temperature	（15-35）℃
Relative humidity	≤ 85%
Power supply	AC(220±10%)V，50Hz
Total power consumption	≤2200 W
Dimension	430×320×700 mm
Net weight	8.5kg

BPTL-242 KINEMATIC VISCOSITY TESTER

The instrument is suitable to determine kinematic viscosity of liquid petroleum products (Newtonian fluids)at a constant temperature. This instrument adopts hard glass bath and electric stirring device. Easy to observe the sample.The temperature in water bath is uniform.

SPECIFICATIONS

Model	BPTL-242
Capillary viscometer tubes	6 pieces in total, inner diameter for each：0.6mm, 0.8mm, 1.0mm, 1.2mm, 1.5mm, 2.0mm
Temperature control range	Ambient to 100℃
Temperature control accuracy	±0.1℃
Temperature sensor	RTD, Pt100
Timing range	0s～9999.9s
Stirring motor	1200 rpm
Ambient temperature	15℃～35℃
Relative humidity	≤ 85%
Power supply	AC(220±10%)V，50Hz
Total power consumption	≦650W
Dimension	500×310×500 mm
Net weight	11.5 kg

BPTL-243 KINEMATIC VISCOSITY TESTER

The instrument is suitable to determine kinematic viscosity of liquid petroleum products (Newtonian fluids)at a constant temperature. The instrument adopts hard glass bath and heat preservation shell(double shell structure). The heat preservation property is good. Easy to observe the sample. It can do two samples at the same time.

SPECIFICATIONS

Model	BPTL-243
Capillary viscometer tubes	6 pieces in total, inner diameter for each：0.6mm, 0.8mm, 1.0mm, 1.2mm, 1.5mm, 2.0mm
Temperature control range	Ambient to 100℃
Temperature control accuracy	±0.1℃
Temperature sensor	RTD, Pt100
Timing range	0s～9999.9s
Stirring motor	1200 rpm
Constant temperature bath	20L,double shell structure
Power supply	AC(220±10%)V，50Hz±5%
Maximum power consumption	1800W
Dimension	530×400×670 mm
Net weight	20.5 kg

BPTL-244 KINEMATIC VISCOSITY TESTER

The instrument is suitable to determine kinematic viscosity of liquid petroleum products (Newtonian fluids) by measuring the time for a volume of liquid to flow under gravity through a calibrated glass capillary viscometer at a constant temperature. Colored LCD display, it can display time and test results. It adopts glass bath and electric stirrer, easy to observe the sample and ensure the uniform of bath temperature. High accuracy. It can preset the viscosity coefficient , calculate the viscosity after the test and print the test results automatically. Easy to operate.

SPECIFICATIONS

Model	BPTL-244
Capillary viscometer tubes	6 pieces in total. The inner diameter for each: 0.6mm, 0.8mm, 1.0mm, 1.2mm, 1.5mm, 2.0mm
Amount of capillary viscometer tubes	4 capillary viscometers
Bath capacity	20L
Working condition	15℃～35℃
Relative humidity	≤ 85%
Temperature control range	Ambient to 100℃
Temperature control accuracy	±0.1℃
Temperature sensor	RTD, Pt100
Stirring motor	1200 rpm
Timing range	0.0s～9999.9s
Timing accuracy	±0.05% within 60min
Power supply	AC(220±10%)V，50Hz
Total power consumption	≦1800W
Dimension	530×400×670 mm
Net weight	42 kg

BPTL-245 DISTILLATION TESTER

Product Image Coming Soon

The instrument is suitable to determine the distillation characteristics of gasoline, aviation gasoline, jet fuels, and solvent having special boiling point, naphtha, diesel oil, distillate fuels and similar petroleum products. It adopts a special heating furnace to ensure the safety. The heating power can be adjusted continuously. The rising up and lowering down of distillation flask can be adjusted free by lifting device. Flexible and convenient to operate.

SPECIFICATIONS

Model	BPTL-245
Distillation flask	125 ml
Water bath temperature controlling	
Range	（ambient temp.+10）℃～60℃
Accuracy	±0.5℃
Receiving cylinder	100ml，scale division 1ml
Ambient temperature	15℃～35℃
Relative humidity	≤ 85%
Power supply	AC(220±10%)V，50Hz
Total power consumption	≦2000W
Dimension	460×400×550 mm
Net weight	18.5kg

BPTL-246 DISTILLATION TESTER

Product Image Coming Soon

The instrument is suitable to determine the distillation characteristics of gasoline, aviation gasoline, jet fuels, solvent having special boiling point, naphtha, diesel oil, distillate fuels, and other petroleum products. It is not only suitable to the organizations of high frequency with various of samples but also accelerate the test speed for common users. It is an ideal distillation tester for petroleum products. The instrument adopts double units working mode.

SPECIFICATIONS

Model	BPTL-246
Distillation flask	125 ml

Receiving cylinder	100 ml，scale division 1 ml
Temperature controller	
Range	(Ambient +10)℃～60℃
Accuracy	±0.5℃
Display	LED
Thermometer	(-2~300)℃ and (-2~400)℃, division value 1℃
Flask support board	Sic, bore diameter ϕ32mm, ϕ38mm, ϕ50mm
Ambient temperature	15℃～35℃
Relative humidity	≤ 85%
Power supply	AC(220±10%)V，50Hz
Total power consumption	≦4000W
Dimension	760×520×500 mm
Net weight	40 kg

BPTL-247 DISTILLATION TESTER (LOW-TEMPERATURE)

Product Image Coming Soon

The instrument is suitable to determine the distillation characteristics of gasoline, aviation gasoline, jet fuels, solvent having special boiling point, naphtha, diesel oil, distillate fuels, and other petroleum products.It adopts special heating furnace to ensure the safety of test. Heating power can be continuously adjusted to meet the requirements of test. The height of the flask is adjusted by the lifting device, and the high temperature resistant and heat insulation glass observation window is equipped to observe the whole test process.

SPECIFICATIONS

Model	BPTL-247
Distillation flask	125 ml
Receiving cylinder	100 ml，scale division 1 ml
Thermometer	(-2~300)℃ and (-2~400)℃, division value 1℃
Furnace heating power	1300W*2
Condenser temperature controlling	
Range	0 ℃ to 60 ℃
Accuracy	±0.5℃
Display	LED
Receiving chamber	
Range	（0-room temp.）
Display	LED
Cool mode	compressor refrigeration
Flask support board	SiC, bore diameter is: ϕ32mm, ϕ38mm, ϕ50mm
Ambient temperature	15℃～28℃
Relative humidity	≤ 85%
Power supply	AC(220±10%)V，50Hz

Total power consumption	≦3500W
Dimension	700×520×580 mm
Net weight	60 kg

BPTL-248 DISTILLATION TESTER (LOW-TEMPERATURE)

Product Image Coming Soon

The instrument is suitable to determine the distillation characteristics of gasoline, aviation gasoline, jet fuels, special boiling point solvent, naphtha, diesel oil, distillate and similar petroleum products. The instrument adopts aquartz heating furnace form to ensure the safety of the test, and the heating power is continuously adjustable. The height of the flask is adjusted by the lifting device, and the observation window of high-temperature and heat-insulating glass is equipped to observe the whole test process. The instrument is equipped with a cylinder receiving chamber, which can measure the distillation range of gasoline.

SPECIFICATIONS

Model	BPTL-248
Distillation flask	125 ml
Receiving cylinder	100 ml，scale division 1 ml
Heating power	≤2300W
Electric furnace heating power	1300W
Thermometer	Total immersion. They are from (-2 to 300)℃ and from (-2 to 400) ℃. The scale divisions of them are 1 ℃
Temperature controller of condensing tube：Range	0 ℃ to 60 ℃
Temperature controller of condensing tube：Display	LED
Temperature controller of receiving room：Range	0 ℃ to ambient
Temperature controller of receiving room：Display	LED
Flask support board	Sic. Diameters of holes are ϕ32mm, 38mm, and 50mm.
Ambient temperature	15℃～28℃
Relative humidity	≤ 85%
Dimension	540×435×515 mm
Net weight	30 kg

BPTL-249 AUTOMATIC DISTILLATION TESTER

Product Image Coming Soon

The instrument is used to determine the distillation characteristics of motor gasoline, aviation gasoline, jet fuel, diesel oil, distillate fuel, naphtha, and some solvents which have special boiling points. It is a new instrument which is advanced. High cost performance. Built-in microcomputer. Advanced IPC technology. 12.1 inch light-touch LCD. Man-machine dialog. Easy to operate. Automatic liquid level tracking system. The test result are reliable and in good repeatability. It can calculate the vapor temperature by inputting the residue amount after the test. There is anti-freezing solution in the cold bath. A circulation stirrer is equipped inside. The liquid level sensor and overflow pipe will make the water leve in the bath normally.

SPECIFICATIONS

Model	BPTL-249
Temperature range of bath	(0～60)℃
Temperature control precision of bath	±0.5℃
Temperature range of receiving chamber	(0～60)℃
Temperature control precision of receiving chamber	±1℃
Distillate liquid detection	（0～100) ml，resolution 0.01 ml
Distillate liquid detection precision	≤0.1 ml
Distillation heater	1000W, 24V
Ambient temperature	10℃～35℃
Relative humidity	≤ 80%
Power supply	AC(220±10%)V，50Hz
Maximum power consumption	2500W
Dimension	500×530×660 mm
Net weight	85 kg

BPTL-250 VACUUM DISTILLATION TESTER

Product Image Coming Soon

The instrument is suitable to determine the distillation characteristics of wax oil, lubricating oils and other petroleum products with high boiling point range. It adopts single chip microcomputer technology, can automatically control the vacuum pressure.

SPECIFICATIONS

Model	BPTL-250
Capacity of buffer vessel	1000 ml
Heating power：Heater for distillation flask	1300W
Heating power：Heater for receiver	350W
Heating furnace of distillation flask	(0～1300)W, continuously adjustable
Max. residual pressure	2 mmHg
Digital pressure gauge	（0~200）mmHg
Temperature control point of air bath of receiver	Ambient to 100℃, continuously adjustable
Temperature sensor of air bath	Pt100,RTD
Temperature control mode	Digital temperature controller
Temperature control precision	Set temp.±1℃
Ambient temperature	15℃～35℃
Relative humidity	≤ 85%
Illumination light in the air bath	Energy saving lamp
Power supply	AC(220±10%)V, 50Hz
Dimension	600×250×650 mm

BPTL-251 VACUUM DISTILLATION TESTER

Product Image Coming Soon

The instrument is suitable to determine the distillation characteristics of wax oil, lubricating oils and other petroleum products with high boiling point range. It adopts IPC control technology to control the vacuum pressure automatically. It adopts high accuracy temperature sensor to detect the steam temperature automatically. No need to observe it by naked eye. It adopts LCD technology, can input, modify and show parameters and control them by touch screen. Except that the distillate volume is read manually, all other work is completed automatically by the instrument.

SPECIFICATIONS

Model	BPTL-251
Heating furnace of distillation flask	(0～1300)W, adjustable
Setting range of vacuum residual pressure	(2～50) mmHg
Accuracy of vacuum residual pressure	±0.5 mmHg
Heating power of receiver	350W，automatically controlled
Temperature control point of receiver	（20～50）℃±3℃, adjustable
Ambient temperature	15℃～35℃
Relative humidity	≤ 85%
Total power consumption	≦1700W
Power supply	AC(220±10%)V，50Hz
Dimension	600×230×610 mm
Net weight	30 kg

BPTL-252 VACUUM DISTILLATION TESTER

The instrument is used to determine the range of boiling points for petroleum products that can be partially or completely vaporized at a maximum liquid temperature of 400℃. The instrument has a built-in 10.1-inch color LCD touch screen industrial control computer, with a friendly man-machine dialogue interface and convenient operation. With built-in condensate trap and semiconductor refrigeration technology, The refrigeration device is compact. The system is equipped with nitrogen interface. After the experiment, the system will prompt the user to open the nitrogen valve to avoid the danger of air entering the vacuum system.

SPECIFICATIONS

Model	BPTL-252
Temperature control range of condensate circulating water	Ambient+5℃（Min. 30℃）～80℃±3℃; adjustable
Working Mode of condensate trap	Semiconductor refrigeration
Minimum temperature	≤ - 40 ℃
Absolute pressure setting	2 mmhg, 5 mmhg, 10 mmhg, 20 mmhg, 50 mmhg
Absolute pressure measurement range	(2.00-170.00) mmHg ± 0.01 mmHg automatic constant pressure
Absolute pressure control accuracy	
When residual pressure <1kPa (7.5mmHg)	accuracy <0.01kPa (0.075mmHg)
When residual pressure ≥ 1kPa (7.5mmHg)	accuracy ≤ 1% of absolute pressure
Ambient temperature	15℃～35℃
Relative humidity	≤ 85%
Total power consumption	≦1800W
Power supply	AC 220V，50Hz
Dimension	800×500×900 mm

BPTL-253 PETROLEUM PRODUCTS DENSITY TESTER

The instrument is designed for Density, Relative Density(Specific Gravity),or API Gravity of Crude Petroleum and Liquid Petroleum Products by Hydrometer Method. It is used to determine the density of crude petroleum and liquid petroleum. This instrument is a kind of all-in-one machine. The control box adopts humanized design. The control switch adopts light-touch mode. It's structure is simple and compact. Easy to operate. It equips a hard glass vessel and electric stirrer. The temperature in vessel is uniform. Easy to observe the sample.

SPECIFICATIONS

Model	BPTL-253
Capacity of cylinder	500ml
Temperature controller	
Range	（Ambient +5）℃ to 100℃
Accuracy	±0.2℃
Sensor	Pt100
Dimension of constant temperature bath	Φ300mm×340mm
Ambient temperature	15℃～35℃
Relative humidity	≤ 85%
Total power consumption	≦1800W
Power supply	AC(220±10%)V，50Hz
Dimension	560×380×580mm
Net weight	18 kg

BPTL-254 LOW-TEMPERATURE TESTER

Product Image Coming Soon

The instrument is newly designed and is suitable to determine solidifying point of petroleum products. It is widely used in oil exploitation companies, petroleum manufacturers, petroleum users, colleges and scientific research institutes. The material of workbench is stainless steel. It adopts special technology. It is no need to use cooling liquid in cold chamber. The cooling rate is fast and efficiency is high. The instrument adopts bench structure. The design is simple and easy to use.

SPECIFICATIONS

Model	BPTL-254
Working chamber	Two test baths in one chamber. The temperatures are the same.
Temperature controller	
Range	Ambient to -70℃
Accuracy	±0.5℃
Refrigeration	New-type refrigeration compressor
Ambient temperature	≤30℃
Relative humidity	≤ 85%
Maximum power consumption	1000W
Power supply	AC(220±10%)V，50Hz
Dimension	620×460×340 mm
Net weight	50 kg

BPTL-255 MULTIFUNCTIONAL LOW TEMPERATURE TESTER

The instrument is suitable to make determinations of pour point, cloud point, solidifying point and cold filter plugging point of petroleum products. The instrument adopts intelligent temperature control system, which can display the temperature of cold bath in real time. The temperature setting and control parameter adjustment are convenient, and the temperature control precision is high. Floor model. It is equipped with four-place wheels at bottom. Convenient to move.

SPECIFICATIONS

Model	BPTL-255
Cold bath temperature control	
Chamber I	-17℃～0℃,accuracy±0.5℃, temperatures in two cold baths are the same.
Chamber II	-30℃
Chamber III	-51℃～-34℃,accuracy±0.5℃,temperatures in two cold baths are the same.
Chamber IV	-70℃
Suitable temperature	15℃～28℃
Relative humidity	≤ 85%
Power supply	AC(220±10%)V，50Hz
Power consumption	less than 1700W
Dimension	810×500×840 mm
Total weight	100 kg

BPTL-256 AUTOMATIC FREEZING POINT TESTER

The instrument can be used to test freezing point of engine coolants and condensation liquids. Automatically judge the freezing point temperature. According to the different configuration,it can be used to test the freezing point etc.indexes of jet fuel,engine coolant and its concentrated solution,it's a multipurpose freezing point tester. It's the floor stand structure,the work table-board is made of stainless steel,concise design,nice appearance,convenient usage,fully furnished.

SPECIFICATIONS

Model	BPTL-256
Freezing point range	-54℃～2℃

Working bath	stainless steel,double vacuum glass observing window.
Cold bath measurement temperature	-70℃～30℃
Temperature controlling accuracy	±0.1℃
Sample stirring	mechanical stirring is（60～80）r/min,continuously adjustable
Refrigerator system	imported refrigerator compressor
Heating_rate	350W
Ambient temperature	15℃～28℃
Relative humidity	≤ 80%
Power supply	AC(220±10%)V，50Hz
Maximum power consumption	2000W
Dimension	770×480×730 mm
Net weight	45 kg

BPTL-257 COPPER STRIP CORROSION TESTER

Product Image Coming Soon

The instrument is suitable to determine the corrosiveness to copper of aviation gasoline, aviation turbine fuels, automotive gasoline, tractor fuels, washing solvent, kerosene distillate, lubricating oil, and other petroleum products. The instrument has functions of temperature controlling, automatic timing and alarming. It adopts LCD temperature controller,heater and electric stirrer to form the constant bath. The temperature controller has timing function.It can control the test time and automatically timing. There will be alarm when finished.

SPECIFICATIONS

Model	BPTL-257
Sample testing positions	Four positions
Sample quantity at one test	4 pieces～12 pieces
Temperature range	Ambient to 100 ℃,can be set at will
Temperature control accuracy	±1 ℃
Time controlling range	1 minute～24 hours, can be set at will.
Temperature sensor	RTD, Pt100
Ambient temperature	15℃～35℃
Relative humidity	≤ 85%
Total power consumption	≦1800W
Power supply	AC(220±10%)V，50Hz
Dimension	440×330×560 mm
Net weight	16 kg

BPTL-258 CARBON RESIDUE TESTER (ELECTRIC STOVE METHOD)

Product Image Coming Soon

The instrument is suitable to determine the carbon residue of lubricating oils, heavy liquid fuels and other petroleum products. The instrument adopts desktop configuration. The heating furnace and controller are assembled to all-in-one machine. Small dimension and easy to use.

SPECIFICATIONS

Model	BPTL-258
Test furnace	One furnace with four holes
Heating mode	Electric furnace
Temp. Control range	(0～520)℃
Temp. Control accuracy	±5℃
Ambient temperature	Room temperature～ 35℃
Relative humidity	≤ 85%
Total power consumption	1300W
Power supply	AC(220±10%)V，50Hz
Dimension	350×360×370 mm
Net weight	24 kg

BPTL-259 CARBON RESIDUE TESTER (MICROMETHOD)

The instrument is suitable to determine the the amount of carbon residue of petroleum products. This instrument adopts all-in-one structure. It consists of two parts: electrical control chamber and high temperature heating furnace. The design is simple and reasonable. The instrument can also be used to determine the petroleum products composed of distillate oils which carbon residue is lower than 0.10%（m/m). But the specimen shall be sampling to 10%（V/V）distillation residue according to GB/T17144-2021 requirement firstly. There is no statistically significant difference between the measurement results obtained by this instrument and those obtained by Conrad residual carbon method in the range of 0.10% - 25.0% (mass fraction).

SPECIFICATIONS

Model	BPTL-259
Temperature of coke chamber	500℃

Temperature control accuracy	±2 ℃
Heating power	1200W
Ambient temperature	5℃～35℃
Relative humidity	≤ 85%
Power supply	AC(220±10%)V，50Hz
Power consumption	≦1400W
Dimension	600×260×550 mm
Net weight	21 kg

BPTL-260 DEMULSIBILITY CHARACTERISTICS TESTER (DESKTOP STRUCTURE)

Product Image Coming Soon

The instrument is suitable to determine the water separability of petroleum oils and synthetic fluids. This instrument adopts small bath and desktop structure. The stirring paddle has good concentricity with cylinders. No tremble or touching the cylinder wall. It is easy to operate.

SPECIFICATIONS

Model	BPTL-260
Timing range	1s~9min59s
Stirring rate	(1500±15)r/min
Temperature range	(Room temp.+5~99.9)℃
Temperature control accuracy	±1℃
Ambient temperature	15℃～35℃
Relative humidity	≤ 85%
Total power consumption	≦1200W
Power supply	AC(220±10%)V，50Hz
Dimension	500×340×720 mm
Net weight	22 kg

BPTL-261 AUTOMATIC DEMULSIBILITY CHARACTERISTICS TESTER

The instrument is suitable to determine the water separability of petroleum oils and synthetic fluids. It adopts LCD to show the diagram. Intuitive and clear. Man-machine dialog. Menu type input. Easy to use.

SPECIFICATIONS

Model	BPTL-261
Testing hole	4 sample
Stirring rate	(1500±15)r/min
Stirring time	(0~99)min
Timing	(0~99)h
Temperature range	(Room temp.~110)℃
Temperature control accuracy	±0.02℃
Ambient temperature	5℃～40℃
Relative humidity	≤ 85%
Power supply	AC(220±10%)V，50Hz
Maximum power consumption	1500W

BPTL-262 FOAMING CHARACTERISTICS TESTER

The instrument is used to determine the foaming tendency and stability of lubricating oils. he instrument adopts all-in-one structure. It includes three parts: low temperature test part and it's control, high temperature test part and it's control, a portable cooler for low temperature test part. The instrument equips an automatic timing alarm.

SPECIFICATIONS

Model	BPTL-262
Temperature control range for high temperature bath	(Room temp.~99.9)℃

Temperature control range for low temperature bath	(5~99.9)℃
Temperature control accuracy	±0.5℃
Air flow rate	(94±5)ml/min,adjustable
Timer	5min and 10min，accurate to second
Ambient temperature	15℃～35℃
Relative humidity	≤ 85%
Total power consumption	≦2700W
Power supply	AC(220±10%)V，50Hz
Dimension	
Main unit	690×460×700 mm
Cooler	400×450×300 mm
Net weight	48 kg

BPTL-263 EXISTENT GUM TESTER (5 HOLES MOTOR GASOLINE TYPE?

The instrument is suitable to determine the existent gum content of aviation gasoline and motor gasoline(Not suitable to determine the existent gum content of aviation turbine fuel). It equips a specially designed heating bath.The gas circuit is designed reasonably and the effect of evaporation is good. Each test hole equips unique flowmeter. It can control the hot-air flow rate of each test hole correctly. The instrument is equipped with an oil-water separator to prevent oil gas and water vapor from entering the instrument.

SPECIFICATIONS

Model	BPTL-263
Sample positions	5 positions
Dimension of sample position	ϕ51mm×70mm
Working temperature	(160～165)℃
Dimension of evaporation bath	ϕ260mm×130mm
Temperature control method	Automatic
Temperature display	Digital
Working pressure of reducing valve	0.07MPa
Air flow rate of jet outlet	600ml/s for each hole
Flow rate display	Float ball type
Power supply	AC(220±10%)V，50Hz, 3500W
Overall dimension	590×480×340 mm（Thermometer holder is not included）

BPTL-264 VAPOR PRESSURE TESTER (REID METHOD)

The instrument is used to test make determination for vapor pressure of gasoline, volatile crude oil and other volatile petroleum products. Two precise pressure meters to detect the gas pressure inside the bomb. Digital temperature controller. The temperature in water bath is uniform. Temperature control accuracy is high. It can meet the requirements of test.

SPECIFICATIONS

Model	BPTL-264
Temperature control range of bath	(Room temp.~90)℃
Temperature control accuracy of bath	±0.1℃
Accuracy of pressure meter	0.4%F·S
Ambient temperature	15℃～35℃
Relative humidity	≤ 85%
Power supply	AC(220±10%)V，50Hz
Total power consumption	≦1700W
Dimension	350×340×750 mm

BPTL-265 AUTOMATIC VAPOR PRESSURE TESTER (REID METHOD)

The instrument is used to make determination for vapor pressure of gasoline, volatile crude oil and other volatile petroleum products. It cannot be used to determine the vapor pressure of LGP. It is fully-automatic vapor pressure tester by PC control and operation. Advanced heating technology do separation of water and electricity meanwhile lower the height of water in bath. No blind angle in bath. It can save water and energy and also convenient to be cleaned.

SPECIFICATIONS

Model	BPTL-265
Test bomb	Can do 3 bomb tests at the same time
Water bath temperature	37.8℃
Pressure range	(0～200)kPa or (0～29)psi

Temperature control accuracy	±0.1℃
Ambient temperature	15℃～35℃
Relative humidity	≤ 85%
Power supply	AC(220±10%)V，50Hz
Maximum power consumption	≤1700W
Dimension	600×500×460 mm
Net weight	23.5kg

BPTL-266 AUTOMATIC GASOLINE OXIDATION STABILITY TESTER (INDUCTION PERIOD METHOD)

Product Image Coming Soon

The instrument is suitable to determine the oxidation stability of gasoline. Desktop structure,integrated design,the test part and control part united as one,high integration. It adopts a built-in industrial computer, works in full-automatic mode, has a 10.1-inch color touch screen, windows7 operating system, and the interface is simple and clear; it is beautiful in appearance, and easy to operate. The traditional water bath is changed into a metal bath, which has no pollution, no need to replenish water, and is more convenient to operate and use. The oxygen bomb and test system are designed in an integrated way, and the bomb body is equipped with an automatic pressure relief protection device, which is safer to use.

SPECIFICATIONS

Model	BPTL-266
Heating Tube Power	≤1000W, The actual heating power is automatically controlled by the computer
Measuring range of oxygen bomb pressure transmitter	(0～1600)kPa, accuracy：±2%
Temperature control point of metal bath	100.0℃±0.5℃
Thermometer	Mercury-in glass thermometer, can correct coefficient as need
Ambient temperature	≤40℃
Relative humidity	≤ 85%
Power supply	AC(220±10%)V，50Hz
Dimension	470×380×600 mm(L*W*H with test barrel)
Net weight	25 kg

BPTL-267 DISTILLATE FUEL OILS OXIDATION STABILITY TESTER (ACCELERATED METHOD)

The instrument is suitable to determine the oxidation stability of distillate fuel oils with accelerated method. It adopts metal bath structure. No need to add water during determination. Clean and eco-friendly. Easy to operate.It is the preferred automated instrument to determine the oxidation stability of distillate fuel oils for the units of petroleum mining, producing and using and other relevant colleges and scientific research institutions.

SPECIFICATIONS

Model	BPTL-267
Sample quantity	It can determine 6 samples at a time
Temperature measuring component	Thermal resistance
Temperature control mode	Automatically controlled by digital temperature controller
Temperature control range	Ambient to 100℃
Temperature control accuracy	±0.2℃
Total power consumption	≤1600W
Power supply	AC(220±10%)V，50Hz
Dimension	700×440×1345 mm

BPTL-268 AUTOMATIC LUBRICATING OILS OXIDATION STABILITY TESTER (ROTATING PRESSURE VESSEL METHOD) (METAL BATH

Product Image Coming Soon

The instrument is used to determine the oxidation stability of steam turbine with the same composition (oil base oil and additive) .Also can be used to determine new mineral insulating oil containing 2，6-BHT. The metal bath design eliminates the harm of oil fume and environmental pollution to the operator, and simplifies the operation. The software design has a high degree of automation, which fully considers the user's operating habits and standard requirements, and can automatically complete a series of operations. In appropriate time, the interface will pop up prompt text to guide the user to carry out the next correct operation and avoid errors.

SPECIFICATIONS

Model	BPTL-268
Test sample	Two-bomb design, can do two samples at one time. Convenient to do parallel test.
Rotation speed	(100±1)r/min
Included angle between oxygen bomb and water level	30°
Range for pressure sensor	(0～1.6)MPa
Accuracy	±2%
Working Temperature	-10℃～40℃
Temperature control point for oil bath	140℃、150℃
Temperature control accuracy	±0.1℃
Relative humidity	≤85%
Dimension	370×500×540 mm
Net weight	25 kg

BPTL-269 LIQUID PETROLEUM PRODUCTS HYDROCARBON TYPES TESTER

The instrument is suitable to make the main hydrocarbon of liquid petroleum products shown on the silica gel adsorption column with fluorescent indicator. Then calculate it's volume percentage. This will be regarded as the quality measurement index of engine fuel,aviation fuel and other fuel oils. Vertical type and uni-body design. No need to install. It is a kind of professional instrument determining percentage of aromatic hydrocarbon, olefin and saturated hydrocarbon in petroleum fraction. Equipped with a adsorption column cleaning unit. Solve the problem for cleaning the adsorption column.

SPECIFICATIONS

Model	BPTL-269
Air supply	Nitrogen cylinder （or air compressor，compressed air bottle）
Pressure regulating range of reducing valve	(0～400)kPa
Electric agitator	independently controlled for each way
Ultraviolet light source pipe	1220mm in length，wavelength is 365mm±5nm
Illuminating lamp	1220mm in length，power is 40W
Ambient temperature	15℃～35℃
Relative humidity	≤ 85%
Dimension	350×400×1770 mm
Net weight	24 kg

BPTL-270 DROPPING POINT TESTER (OIL BATH)

Product Image Coming Soon

The oil bath is composed of heat resistant beaker, heater and electric motor. The heating power can be adjusted continuously. The temperature in oil bath is uniform. Desktop structure. Easy to operate

SPECIFICATIONS

Model	BPTL-270
Oil Bath	600ml Beaker
Grease Cup	It is made of chrome plated brass, inner diameter: 9.92mm, oil dripping hole:2.8mm, cup height: 12mm
Test Tube	Heat resistant borosilicate glass tube with edge, inner diameter: 11.1 mm to 12.7 mm, and there are three grooves on the circumference 19 mm away from the bottom to support the grease cup
Stirring motor	60 R / min
Working environment：Temperature	(- 5 ~ 300) ℃
Relative humidity	≤ 85%
Total power consumption	≦900W
Power supply	AC(220±10%)V，50Hz
Dimension	350×180×410 mm
Net weight	8 kg

BPTL-271 X-RAY FLUORESCENCE SULFUR TESTER

Product Image Coming Soon

The instrument provides a measure to determine sulfur content during petroleum or petrochemical production process. The detection lower limit of sulfur content can reach 0.0017%, which can be widely used in the detection of sulfur content of related oil products with percentage content greater than this index. The data storage capacity is large, it can store 4096 analysis results, 8192 count measurement data and 10 calibration curves. The stored data can be queried, it also can be uploaded to the computer through RS-232 standard communication port. The unit of measurement result can be selected, ppm or (m / m)%.

SPECIFICATIONS

Model	BPTL-271
Oil sample quantity	6ml
Powder sample quantity	3g
Detection limit	50 ppm
Measuring range	0.005%～5%
Repeatability (r)	＜0.4347 X0.6446
Reproducibility ®	＜1.9182 X0.6446
Measurement time	It can preset 30, 60, 90, 120, 150s, measurement repeat times:1, 2, 3, 5, 10(times).
Sample measurement	Automatic measurement of single sample, average value and standard deviation at the end of measurement.
Calibration curve numbers	it can save 10 calibration curves.
Ambient temperature	10℃～30℃
Relative humidity	≤ 85% (30℃)
Power supply	AC220V±20V,50Hz/60Hz
Power consumption	50W
Dimension	480×380×140 mm
Net weight	13 kg

BPTL-272 MECHANICAL IMPURITY TESTER (WEIGHT METHOD)

Product Image Coming Soon

The instrument is used to determine mechanical impurity in hydrocarbons, heavy oils, lubricating oils, and additives.This instrument is composed of glass vessels, water bath, funnel, suction pump, motor and digital temperature controller. It has features such as small size, light weight, rapid heating rate and easy installation. The temperature control funnel is small and light. It can save operation time and solvent. Desktop structure. Simple design. Easy to use.

SPECIFICATIONS

Model	BPTL-272
Temperature control range for water bath	Room temperature~90 ℃, adjustable
Bath temperature display	Digitally displayed by LED
Temperature control accuracy for water bath	±1 ℃
Temperature control range for funnel	Room temperature~90 ℃, adjustable
Temperature control accuracy for funnel	±2 ℃
Funnel temperature display	Digitally displayed by LED
Heating power for water bath	1000 W
Ambient temperature	≤35 ℃
Relative humidity	≤ 85%
Maximum power consumption	1200 W

BPTL-273 ASH CONTENT TESTER (SEPERATELY DISPLAY)

Product Image Coming Soon

The instrument is composed of a box-type heating furnace, a temperature control stand and an electric heating plate. It is small size and needs less land. The box-type furnace adopts all-in-one structure. Special fire-resistant material and heating components. The heating time is short and it has a long lifetime. Small size and good durability.

SPECIFICATIONS

Model	BPTL-273
Box-type heating furnace	
Rated temperature	1000℃
Temperature rising time for empty furnace	≤50 min
Power consumption for empty furnace	≤800W
Furnace temperature uniformity	≤15℃
Heat savings	≤5kW.h
Thermocouple	WRN-010
Rated power	2.5 kW
Power supply	AC220V±10%, 50 Hz
Size of furnace chamber	200×120×80 mm
Dimension	575×3850×480
Temperature control stand	
Maximum control temperature	1200℃
Temperature controller:	DTW2001
Thermocouple	WRN-010
Rated controllable power	5000W
Power supply	AC220V±20V,50Hz
Dimension	500×300×235 mm
Electric heating plate	
Heating power	（1～6）grades, continuously adjustable.
Rated temperature	400℃
Diameter of heating plate	Φ85mm
Rated power	1500W
Power supply	AC(220±10%)V, 50Hz
Dimension	280×250×90 mm

BPTL-274 PETROLEUM PRODUCTS COLOR TESTER

The instrument is composed of standard color dial, observation lens,light source and color comparing tube. The color dial is rotated by a hand wheel installed at right side of instrument to choose the correct color during color comparing test. The color comparing tube is placed into instrument trough a lid on the top of the instrument. The observation lens is composed of concave mirror and separated bar. You can see two semicircle colors through observation lens. The right semicircle is standard color. The light and focus of optical observation lens can be adjusted, so it is easy to be used.

SPECIFICATIONS

Model	BPTL-274
Light_source	220 V, 100 W
Light source	
temperature	2750±50 K
Observation lens composition	concave mirror and separated bar
Standard color dial	26 pieces of Φ14 light holes
Color comparing tube	Φ32 mm, 120～130 mm high non-colorful flat bottom glass tube

BPTL-275 ANILINE POINT TESTER

The instrument can meet requirements for determining aniline point of transparent oils and aniline point of dark color oils. Digital temperature controller. High temperature control precision. Stable and reliable. Easy to operate.

SPECIFICATIONS

Model	BPTL-275
Temperature range	Ambient to 200℃
Temperature precision	≤0.5℃
Heating power	≤2100W
Ambient temperature	15℃～35℃
Relative humidity	≤ 85%
Power supply	AC(220±10%)V，50Hz

Dimension	370×520×460 mm
Net weight	14 kg

BPTL-276 CRUDE OIL WATER CONTENT TESTER

The instrument is used to determine the water in crude oils. Desktop structure and double units.It can do two determinations at the same time. Equipped with heating mantle cap. Heating power can be adjusted continuously. No naked fire, safe to use. Distillation flask,receiver and condenser are all designed as per standard.

SPECIFICATIONS

Model	BPTL-276
Distillation flask	1000 ml
Receiver	5ml，graduation is 0.05 ml
Condenser	400mm±5mm
Heater	heating mantle cap，500W×2，continuous adjustment
Ambient temperature	-10℃～+35℃
Relative humidity	≤ 85%
Power supply	AC(220±10%)V，50Hz
Dimension	425×330×1180 mm（The test vessels are included)

BPTL-277 ACID NUMBER AND ACIDITY TESTER

The instrument can accurately detect the acid value of transformer oil, turbine oil, anti oil, diesel, gasoline and other petroleum products. Test results can be saved as word and excel format documents. It adopts the original imported titration device, and the detection signal is stable and reliable. The instrument can clean, replenish and add liquid automatically.

SPECIFICATIONS

Model	BPTL-277
Burette volume	10ml

Burette precision	±0.1%F•S
Burette dripping time	(60±20)S（F·S）
Potential measurement range	（0～±1800.0）mV
Basic error of electronic unit	0.1%±0.5mV of full reading
Input impedance	Ri≥1×1012Ω
Acid number measurement range	≥0.05 mgKOH/g
Minimum titration volume	0.001ml
Environment temperature	5℃~35℃
Relative humidity	≤ 80%
Power supply	AC(220±10%)V，50Hz
Total power consumption	≤200W
Outline dimension	About 350×280×180 mm（L×W×H、Without PC）
Net weight	14 kg

BPTL-278 AUTOMATIC ENGINE OILS APPARENT VISCOSITY TESTER

Product Image Coming Soon

The instrument is used to detect the apparent viscosity of the apparent oils. With 15 inch color LCD touch display to realize the operation. It adopts the imported compressor,the cascade refrigeration technology with the fast cooling speed. The parameters of all standard oils can be editable and stored,it can save the 1000 groups of history test data and it's convenient to check and reuse. Configuration with minniprinter to automatically print the report after the test.

SPECIFICATIONS

Model	BPTL-278
Viscosity measurement range	1500mPa•s ~27000mPa•s
Cold bath temperature control range	Ambient ~ -60℃
Cold bath temperature control accuracy	±0.5℃
Stator temperature control accuracy	±0.05℃
Environment temperature	10℃~40℃
Relative humidity	≤ 85%
Power supply	AC(220±10%)V，50Hz
Maximum power consumption	2500W
Dimension	1450×500×620 mm

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