












Other Instruments Matched With Power Plant Catalogue

Shape	Name	Item	Parameters	Functions	Standards
	Self-Ignition Point Tester	SYD-706	<ol style="list-style-type: none"> 1. Temperature range: Ambient to 800 °C 2. Temperature control accuracy: Temperature difference $\leq 1^{\circ}\text{C}$ among the three points: center of bottom, center on side wall and top of flask. 3. Conical flask: 200 ml 4. Ambient temperature: Room temperature $\sim 50^{\circ}\text{C}$ 5. Relative humidity: $< 80\%$ 6. Power supply: AC (220$\pm 10\%$) V, 50Hz 7. Maximum power consumption: 2000W 8. Dimension: 540mm\times310mm\times270mm 	Determine the lowest temperature of fire resistant oil and other special oils when burning in a flask.	DL/T706-99, IEC79-4: 95
	Automatic Interfacial Tension Tester	SYD-6541A	<ol style="list-style-type: none"> 1. Measurement range: (1) For insulating oil: 2~100 mN/m (2) For other petroleum products: 2~200 mN/m 2. Sensitivity: 0.1 mN/m 3. Accuracy: 0.1 mN/m 4. Resolution: 0.1 mN/m 5. Repeatability: 0.3% 6. Ambient temperature: 10 °C~30 °C 7. Relative humidity: 20%~75% 8. Power supply: AC 220V$\pm 5\%$, 50 Hz 9. Power: 20VA 10. Dimension: 200mm\times300mm\times330mm 11. Net weight: 6Kgs 	Determine the interfacial tension between mineral oils and water under non-equilibrium condition (Liquid-Liquid interface), determine interfacial tension of various liquids (Liquid-Gas interface).	ASTM D971, GB/T6541
	Automatic Multifunctional Degassing Oscillation Tester	SYD-17623	<ol style="list-style-type: none"> 1. Display: LCD 2. Temperature range: Ambient$\sim 99.9^{\circ}\text{C}$ 3. Working environment: (10~40)$^{\circ}\text{C}$, relative humidity $\leq 85\%$ 4. Temperature control accuracy: (Ambient~ 50)$^{\circ}\text{C} \pm 0.2^{\circ}\text{C}$; (50~80)$^{\circ}\text{C} \pm 0.3^{\circ}\text{C}$ 5. Oscillation frequency: (275± 3) times/min 6. Oscillation amplitude: 35mm 7. Time control: Oscillation for 20min, stand still for 10min and temperature being constant at 50 °C Oscillation for 5min, stand still and give alarm to keep constant temperature at 70 °C Any time set for oscillation and stand still within (0~99) min Any temperature set within (0~99)$^{\circ}\text{C}$. 8. Samples: 100ml, 8 pieces 9. Maximum power consumption: 1000 VA 10. Power supply: AC (220$\pm 10\%$) V, 50Hz 	Determination of componental contents of gases dissolved in insulating oil by gas chromatography method	GB/T 17623-1998

	Lubricating Oils Air Release Properties Tester	SYD-0308	<ol style="list-style-type: none"> 1. Temperature range of water bath: Room temperature~99.9℃ 2. Temperature range of air bath: Room temperature~90℃ 3. Temperature control accuracy of water bath: ±0.5℃ 4. Temperature control accuracy of air bath: ±5℃ 5. Power supply: AC220V±10% 50Hz 6. Maximum power consumption: 1000W 7. Volume of water bath: 10L 8. Net weight: 20kg 9.Dimension:640mm×300mm×580mm 	Determine the air release value of hydraulic oil, steam turbine oil and other petroleum products in the industries of chemicals, electricity, petroleum,etc	ASTM D3427,SH/T0308
	Insulating Oils Volumetric Resistivity Tester	SYD-421	<ol style="list-style-type: none"> 1. Measuring voltage: 500V, DC 2. Measuring range: 10⁸ ~19.99×10¹³ Ω·cm 3. Repeatability: >10¹² Ω·cm ≥25%; <10¹² Ω·cm ≥15% 4. Temperature control power: 300W 5. Temperature control range: 30~100℃ 6. Temperature control accuracy: ±0.5℃ 7. Measuring bias: ≤±10% 8. Electrode cup: 3 pieces 9. Ambient temperature: 0~40℃ 10.Relative humidity: ≤85% 11.Power supply: AC 220V±10%, 50Hz±1Hz 12.Dimension:440mm×350mm×320mm 	Determine the Volume Resistivity of Insulating Oils.	DL/T421-91
	Insulating Oils Breakdown Voltage Tester	SYD-507	<ol style="list-style-type: none"> 1. Output power: 2kVA 2. Measuring range: 0~75 KV 3. Voltage increasing speed: 3 KV±10%/s 4. Distance between electrodes: 2.5 mm 5. Power supply: AC 220 V±10%, 50 Hz 6. Dimension: 330 mm×350 mm×360 mm 	Insulating liquids-Determination of the breakdown voltage at power frequency	ASTM D1816, ASTM D877,GB/T 507
	Thermostatic Water Bath	HWY-2	<ol style="list-style-type: none"> 1. Power supply: AC 220V (-5%~+10%) , 50Hz 2. Volume of water bath: 330mm×390mm×300mm (L×W×H) 3.Applicable water yield: 32L 4. Heating device:Electric heater,power 1500W 5.Cooling device:New-type environment friendly compressor 6. Temperature control range: 5℃~90℃ 7. Temperature control accuracy: ±0.1 ℃ 8. Ambient temperature: ≤30℃ 9. Relative humidity: ≤85% 10. Total consumption:Less 2300W 11. Outline dimension: 530mm×520mm×1000mm (L×W×H) 12.Net weight: 40kg 	Supply the standard constant temperature water bath for factory,enterprise,construction organization,research laboratory and colleges&universities etc.	

Oxygen Bomb Calorimeter Quotation List

Shape	Name	Item	Parameters	Functions	Standards
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	Oxygen Bomb Calorimeter	XRY-1A	<ol style="list-style-type: none"> 1. Heat capacity: 14400 J/K~15000 J/K 2. Resolution: 0.001 K 3. Measurement accuracy: $\pm 60\text{J/g}$ 4. Repeatability : $\leq 0.2\%$ (Grade C) 5. Pressure endurance of oxygen bomb: 20 MPa 6. Temperature measurement range: $10\text{ }^{\circ}\text{C}\sim 35\text{ }^{\circ}\text{C}$ 7. Ambient temperature: $20\pm 5\text{ }^{\circ}\text{C}$, the fluctuation is not more than $1\text{ }^{\circ}\text{C}$ during one test 8. Data saved: 31 pieces 9. Relative humidity: $\leq 85\%$ 10. Power supply: AC 220V$\pm 5\%$, 50 Hz 11. Dimension:600mm\times460mm\times430mm 12.Total power consumption:Less 150W (Note: Pellet press machine is optional accessory) 	Determine calorific value of combustible materials such as petroleum products without water (gasoline, jet fuels, diesel oil and fuel oils, etc.), coal, coke and paraffin, etc.	ASTM D240,GB/T213-2008, GB/T384-1988
	Oxygen Bomb Calorimeter	XRY-1A+	<ol style="list-style-type: none"> 1. Heat capacity: 14000 J/K~15000 J/K 2. Measuring range: $(10\sim 35)^{\circ}\text{C}$ 3. Resolution: 0.001 K 4. Measurement accuracy: $\pm 60\text{J/g}$ 5. Repeatability error: $\leq 0.2\%$ (Grade C) 6. Pressure endurance of bomb: 20 MPa 7. Temperature measurement range: $10\text{ }^{\circ}\text{C}\sim 28\text{ }^{\circ}\text{C}$ 8. Relative humidity: $\leq 85\%$ 9. Power supply: AC 220V$\pm 5\%$, 50 Hz 10. Overall dimension: 600mm\times480mm\times460mm 11.Total power consumption: Less 150W (Note: Pellet press machine is optional) 	Determine calorific value of combustible materials such as petroleum products without water (gasoline, jet fuels, diesel oil and fuel oils, etc.), coal, coke and paraffin, etc.	ASTM D240,GB/T213-2008, GB/T384-1988
	Oxygen Bomb Calorimeter	XRY-1C	<ol style="list-style-type: none"> 1. Measuring temperature range: $5^{\circ}\text{C}\sim 40^{\circ}\text{C}$ 2. Temperature resolution: 0.0001°C 3. RSD(Relative standard deviation): $\leq 0.1\%$ 4. Test period: $\leq 13\text{mins}$ 5. Measuring range: 5MJ/kg~40MJ/kg 6. Accuracy:Better than GB/T213-2008 The determination method of coal calorific value 7. Pressure endurance of oxygen bomb: 20 MPa 8. Relative humidity: $\leq 85\%$ 9. Power supply: AC 220V$\pm 10\text{V}$, 50 Hz 10. Total power consumption: $\leq 0.2\text{kW}$ 11. Outline dimension: 540mm\times420mm\times420mm (L\timesW\timesH) 12. Net weight: 55kg 	Determine calorific value of combustible materials such as petroleum products without water (gasoline, jet fuels, diesel oil and fuel oils, etc.), coal, coke and paraffin, etc.	ASTM D240,GB/T213-2008,GB/T384-1988
	Oxygen Filling Device	CY-1	<ol style="list-style-type: none"> 1. Oxygen filling pressure: not less than 4 MPa; 2. Endured pressure of oxygen filling pipe: not less than 4 MPa. 	Fill oxygen to oxygen bomb for XRY series Oxygen Bomb Calorimeter	