



**Color Tester**



**Insulating Oil Breakdown Voltage Tester**



**Mechanical Impurity Tester**



**Wax Oil Content Tester**

## Other Instrument

## Color Tester LCT-A20

Labodam LCT-A20 color tester is designed with standard color dial, observation lens, light source and color comparing tube. We resolutely manufactured the petroleum tester for precise output and reliability.

### Features

- Standard color dial, observation lens, light source and color comparing tube
- Advantage of grinding milk white light bulb
- Easy operations
- Sample accuracy

### Applications

The instrument is widely used in petroleum, petrochemical, chemical and development industry.

### Specifications

Model	LCT-A20
Light source	220V, 100W
Temperature of grinding milk white light bulb	2750±50K
Light hole( Φ14)	26 pieces
Color comparing tube	Φ32mm
Non-colorful flat bottom glass tube	120~130mm
Observation lens	Concave mirror and separated bar
Dimensions	440*420*340mm

## Mechanical Impurity Tester (Weight Method) LMIT-A21

Labodam LMIT-A21 Mechanical Impurity Tester is manufactured with digital temperature controller and motor. The instrument is designed as per "Test Methods for Mechanical Impurity in Petroleum Products and Additive (Weight Methods)". We it for accuracy and efficiency.

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### Features

- Advantage of glass vessels, water bath, funnel, suction pump, motor and digital temperature controller
- Small size and rapid heating rate
- Save operation time and solvent
- Desktop structure and easy installation

### Applications

It is mainly used in petroleum, chemical, research and development industry. It is also used to determine mechanical impurity in hydrocarbons, heavy oils, lubricating oils, and additives.

### Specifications

Model	LMIT-A21
Temperature controlling range in water bath	RT to 90°C
Heating power of waterbath	1000W
Temperature controlling accuracy in water bath	±1°C
Temperature display mode of water bath	Digitally displayed by LED
Temperature controlling range in funnel	RT to 90°C
Temperature display mode of funnel	Digitally displayed by LED
Temperature controlling accuracy in funnel	±2°C
Ambient temperature	≤35°C
Relative humidity	≤85%
Controlling case (L*W*H)	390*260*590mm
Water bath(L*W*H)	90*290*370mm
Dimension	730*620*490mm
Total power consumption	≤1200W

## Wax Oil Content Tester LWCT-A22

Labodam LWCT-A22 is manufactured with glass float-type flow meter, designed refrigeration device and digital temperature controller. We meticulously designed it for precision and accuracy.

**Note:** For some petroleum wax having oil content more than 5%, if the oil could not be completely dissolved in methyl ethyl ketone (MEK) and the mixture is separated into two layers, this method is not applicable.

### Features

- Two samples test simultaneously
- Digital temperature controller
- Glass flow meter
- Desktop structure, novel and convenient
- Refrigeration device present

### Applications

It is extensively used in petroleum, chemical and research industry. It is also suitable to determine oil content of petroleum wax, the congealing point of which is more than 30°C and the oil content of which is less than 15%.

### Specifications

Model	LWCT-A22
Temperature controlling range of wax melting bath	RT~90°C±5°C
Cooling bath temperature	-35°C±1°C
Evaporation temperature	35°C±1°C
Flow rate	2~3L/min
Timing range of timer	0~60min
Power supply	AC 220V±10%, 50Hz

# Insulating Oil Breakdown Voltage Tester LIBT-A23

Labodam LIBT-A23 is manufactured with instinctive display and high voltage range. It is designed and made as per ASTM D1816-04 "Test Methods for Breakdown Voltage of Lubricating Oil. We deliberately designed it to meet high accuracy.

## Features

- Mechatronic design with intuitive display
- Easy to operate, accurate measurement, excellent repeatability
- Low system error
- Solid boost transformer the maximum voltage can reach 70kV

## Applications

It is widely used to determine dielectric constant of lubricating oils in the field of railway, aviation, power plant, petroleum industry, and scientific institutes.

## Specifications

Model	LIBT-A23
Measurement range	0~75kV
Voltage rising rate	3kV±10%/s
Distance between electrodes	2.5mm
Output power	2 kVA
Power supply	AC220V±5%/50Hz



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