

MANUAL POLARIMETER LD-LPMR-B12



Manual Polarimeter LD-LPMR-B12 with 7 inch TFT touch screen display is upgraded to $\pm 89.99^\circ$ and $\pm 259^\circ\text{Z}$ scope of measurement. With four types of optical measurements, it determines concentration, content, purity and sugar concentration of a substance. Long-life LED with 589 nm filter works as light source.

Features:

- Manual calibration mode
- $\pm 89.99^\circ$, $\pm 259^\circ\text{Z}$ scope of measurement
- 7 inches TFT touch screen display
- Equipped with built-in Parr (peltier) temperature control system
- Automatic photoelectric detection technology
- Accurate and precise measurement
- User-friendly operations

Applications:

Used in pharmacy, drug and sugar testing, chemical, dye and paint industry, oil and cosmetics industry, food and spices,. Also used in laboratory, research institutes of biotechnology, microbiology, and other fields.

Specifications:

Model No.	LD-LPMR-B12
Measurement Mode	Optical rotation, specific rotation, concentration and international sugar content
Calibration Mode	Manual Calibration
Measuring Range	$\pm 89.99^\circ$, $\pm 259^\circ\text{Z}$
Minimum Reading	0.001°(optical rotation)
Accuracy	$\pm 0.01^\circ$ ($-45^\circ \leq \text{optical rotation} \leq +45^\circ$)
Repeatability (standard deviations)	0.002°(optical rotation)

Measurable sample min. transmittance	0.01
Light source	LED
Working wavelength	589.3 nm
Test tube	One 200 mm tube & One 100 mm tube
Temperature control mode	Built-in semiconductor
Temperature control range	15 to 35 °C
Temperature control accuracy	± 0.2°C
Display	7 inch TFT touch screen
Data storage capacity	1000 groups
Interface	USB, RS232
Power	250 W
Power Supply	AC 220V ± 10% 50 Hz
Dimension	780 × 420 × 400 mm
Net weight	24 kg
Gross weight	28 kg
HS Code	9027300000