



AUTOMATIC POLARIMETER

LPMR-A31

Automatic Polarimeter LPMR-A31

The automatic Polarimeter LPMR-A31 comes with 8 inch TFT touch screen & long-life LED with 589 nm filter as light source instead of traditional limited hours light source for use. It is 21 CFR Part 11 certified Polarimeter. With four measurement options like optical rotation, specific rotation, concentration and international sugar content it can determine the concentration of substance, content, purity etc. It can offer optional calibration system certificate. Polarimeter is used across sugar, pharmacy, food& chemistry industry.

FEATURES

- Highly integrated, fully Automatic 21 CFR Part 11 certified Polarimeter
- 4 Selectable measurement options
- Long LED life light source, with 589.3 nm filter
- $\pm 89.99^\circ$ Arc measurement scope for chiral compounds over broad range of concentration
- 8 inch TFT touch screen display
- Automatic calculations of non-standard test tube measurements
- Automatic marking for time, date, sample name
- Easy to operate, Calibration System is Optional

APPLICATIONS

Automatic Polarimeter used in detection of sugar, pharmacy, food, drugs, chemical testing also for detection of starch, agriculture products, amino acids & other materials.

SPECIFICATION

Model no.	LPMR-A31
Measurement mode	Four modes: optical rotation, specific rotation, concentration and
Calibration mode	Automatic Calibration
Measuring Range	$\pm 89.99^\circ$ Arc, $\pm 259^\circ$ Z
Minimum reading	0.001° (optical rotation)
Accuracy	$\pm 0.01^\circ$ ($-45^\circ \leq$ optical rotation $\leq +45^\circ$) and $\pm 0.02^\circ$ (optical rotation <
Repeatability (standard deviations)	0.002°(optical rotation)
Measurable sample min. transmittance	0.01
Light source	LED
Working wavelength	589.3 nm
Test tube	Up to 200 nm
Display mode	8 inch TFT touch screen
Data storage capacity	8 GB
Interface	USB×3, RS232, Wi-Fi
Power	AC 220V \pm 10% 50 Hz
Calibration System	Optional
21 CFR Part 11 Certification	Yes