Semi-Automatic Polarimeter

Semi-automatic polarimeter LPMR-A20

Semi-automatic polarimeter LPMR-A20 comes with 5.6 inch TFT touch screen, has one touch reset function to automatically restore the polarimeter to the original settings. The long-life LED with 589 nm filter is used instead of traditional limited hours light source. The manual zero point calibration allows users to adjust the optical field of view and eliminate the zero point error. It has four measurement options which includes optical rotation, specific rotation, concentration and international sugar content

Features

>> Semi-automatic polarimeter

>> 5.6 inch TFT touch screen

>> 4 selectable measurement options

>> Long LED life with 589 nm filter

>> Automatic calculations of non-standard test tube measurements

>> Automatic temperature compensation ensures accurate readings

>> Built-in temperature sensor with real time sensing of the sample chamber

>> 100 sets of data storage

>> Automatic marking for time, date, sample name

>> Multi-language version selection

>> Built in text file with detailing of how to use the instrument

Applications

This polarimeter can be used in sugar industry, pharmaceuticals industry, chemical, food industry, also for detection of starch, agriculture products, amino acids etc.

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Specifications

Model no.	LPMR-A20
Measurement mode	Four modes: optical rotation, specific rotation, concentration and international sugar content
Measuring range	$\pm 90^\circ$. $\pm 130^\circ Z$
Measurement accuracy	$\pm 0.02^\circ$, $\pm 0.05^\circ Z$
Display/resolution	0.005°
Wavelength	589 nm
Light source	LED + interference filter
Test tube length	50/100/200 mm
Temperature measurement range	0 to $100^\circ C$
Temperature measurement accuracy	$\pm 0.5^\circ C$
Data storage	100 sets of data storage
Interface	USB
Display screen	5.6 inch TFT touch screen
Dimension (L*W*H)	550×300×220 mm
Power	AC 220V, 50Hz
Weight	7.5 kg

Optional accessories:

➤ Polarizing test tube 100/200 mm