



KLABS Automatic Polarimeter



PRODUCT DESCRIPTION

KLAP-45 Automatic Polarimeter is a touch screen based analytical instrument designed for accurate optical rotation measurement in pharmaceutical, chemical, sugar and research laboratories. The instrument provides stable performance, user-friendly operation and precise measurement with advanced optical detection system and digital data interface.

FEATURES

- Touch Screen Colour Display
- Temperature Display
- Measurement of dark-colored sample
- USB & RS232
- No warm-up time is required when instrument is switched on
- Insulated Sample chamber to keep sample temp. constant
- Photodiode Detector

ACCESSORIES

- Sample Tubes 100mm, 200mm
- Software Kit: RS232 Cable, Software
- Touch Pen
- Mains Lead
- Fuse
- Instruction manual



TOUCH
SCREEN



SOFTWARE
CONTROL SYS.



ACCURATE
& STABLE



EASY
OPERATION



OPERATION
CONNECTIVITY

Technical Specifications

Technical	Specification
Product Name	KLABS Automatic Polarimeter
Model Number	KLABS K LAP-45
4 Test mode	Optical rotation, specific rotation sugar degree and concentration
Light source	LED
Measurement range	$\pm 45^\circ$ (optical rotation $\pm 120^\circ$ Z(sugar))
Wavelength	589.3nm
Minimum indicating value	0.001° (optical rotation)
Accuracy	$\pm 0.01^\circ$ (-15° < optical rotation < +15°)
	$\pm 0.02^\circ$ (optical rotation < -15° or optical rotation > +15°)
Repeatability	0.002° (optical rotation)
Display	Color Touch Screen
Test tube	200mm, 100mm
Sample transmittance	>1%
Interface	USB & RS232
Operation voltage	220V \pm 22V, 50Hz
Overall Dimensions	850mm \times 500mm \times 470mm
Weight(Gross)	38kg
Software	Yes