



KLABS - Automatic Digital Polarimeter



Product Description

Polarimeter is an analytical instrument used to measure the optical rotation of optically active substances. By determining the angle of rotation, it enables accurate analysis of concentration, content, and purity of materials. It is widely used in sugar, pharmaceutical, petroleum, food, and chemical industries, as well as in research institutions.

Features KADP-90

- 4-inch intuitive touch screen
- High resolution of 3 decimal places
- Multiple communication interfaces: USB, RS232
- Windows operating system makes the device very easy to use
- Data storage: 1000 groups
- Digital Polarimeter based on Optical null principle
- No warm up required
- Built-in Peltier temperature control
- User Management
- GLMP/GMP/21CFR compliant
- Multi-user with password protection

Features - LADP-90Pro

- 7-inch intuitive touch screen
- High resolution of 3 decimal places
- Multiple communication interfaces: USB, RS232
- Windows operating system makes the device very easy to use
- Data storage: 1000 groups
- LED cold light source replaces traditional sodium light resulting in a long stable life
- Digital Polarimeter based on Optical null principle
- No warm up required
- Built-in Peltier temperature control
- User Management
- GLMP/GMP/21CFR compliant
- Multi-user with password protection

Applications / Uses

- Sugar industry
- Pharmaceutical industry
- Petroleum industry
- Food industry
- Chemical industry



K-ADL-90P

Technical Specifications**Technical Specifications – LADP-90**

Parameter	Specification
Product Name	Automatic Digital Polarimeter
Temperature Control	N.A
Optical Rotation	-89.99° to +89.99°
Resolution	0.001°
Accuracy	0.01°
Sugar Range	-257°Z to +257°Z
Concentration	0–99.9 g/ml
Memory	1000 groups
Wavelength	589.3 nm
Display	4 inch Touchscreen
Interface	USB, RS232
Test Tube	100 mm & 200 mm
Power Supply	AC 220V / 50 Hz
Dimensions & Weight	870 x 520 x 480 mm & 24 kg

Technical Specifications - LADP-90Pro

Parameter	Specification
Product Name	Automatic Digital Polarimeter
Temperature Control	Built-in Peltier
Temperature Range	10–50°C
Optical Rotation	-89.99° to +89.99°
Resolution	0.001°
Accuracy	0.01°
Sugar Range	-259°Z to +259°Z
Concentration	0–99.9 g/ml
Memory	1000 groups
Wavelength	589.3 nm
Display	7 inch Touchscreen
Interface	USB, RS232
Measuring Modes	4 Modes
Test Tube	100 mm & 200 mm
Power Supply	AC 220V / 50 Hz
Dimensions & Weight	870 x 520 x 480 mm & 24 kg