

DIGIPOL PRO

DIGITAL POLARIMETER



Digipol Pro Multi-Wavelength Polarimeter

Labindia Analytical's Digipol Pro offers high-precision optical rotation measurements with multiple wavelengths, ensuring superior accuracy for research and quality control. Ideal for pharmaceuticals, chemicals, and food industries, it features an intuitive interface, automatic temperature control, and robust data management capabilities, making it a reliable solution for polarimetry analysis.

FEATURES



10.4" TOUCH SCREEN

10.4 inch high quality Capacitive Color Touch Screen Display



IN-BUILT COMPUTER

Industrial Computer with huge data storage capability



BASIC CFR COMPLIANT

4 Level Password is incorporated - Admin, Lab Manager, Supervisor, and User



BEST ACCURACY

Best in class accuracy assured

UNIQUE FEATURES

- Glan Thompson Prism
- Fully Anti-Corrosive function, includes Ti tube
- Best Accuracy
- Better Temperature Control
- Quartz Plates are included
- Update Possibility for future
- Select upto 7 wavelengths
- Built- in bubble checking device
- Fingerprint recognition



SPECIFICATIONS

Measuring Range	-225° to +225°, ±90°
Resolution	0.001°/0.0001°
Accuracy	±0.002° (whole range)
Repeatability	±0.2% (larger than 1°)
Temperature Range	0.00-100.00°C
Temperature Resolution	0.01°C
Temperature Accuracy	±0.02°C
Temp. Control Model	Peltier
Temp. Control Range	10.00°C to 50.00°C
Temp. Control Accuracy	±0.05°C
Sensitivity	Min 0.01%
Prism	Glan Thompson
Detector	Photomultiplier tube (IP28-01) (R928 - option)
Light Source	LED, Sodium lamp (Na), Mercury lamp (Hg), Tungsten halogen lamp (optional)
Wavelength	Standard 589nm, Optionally up to 7 wavelengths (325nm, 365nm, 405nm, 436nm, 546nm, 589nm, 633nm) (User Selectable)
Measuring mode	Optical rotation, specific rotation, concentration, international sugar scale, Brix purity, Optical purity
Temp. Control Platform	Up to 200nm
Interface	Network LAN*1, HIMA*1, VGA*1, USB 3.0*2, USB 2.0*1, RS232*1
Display	10.4 Inches touch screen
Sample Tube	200nm*1 (funnel glass tube) 100nm*1 (Temp. controlled SS tube) Other sizes available (optional)
N.W/G.W	38Kg/40Kg
Dimension	(800(L)*380(W)*250(H))mm