



Multiplelabs
Turnkey Laboratories Solutions

DAP-3001

Digital Automatic Polarimeter



Characteristics

- Use the incandescence lamp or LED plus filter stand for sodium lamp in order to lengthen the service life of the light power (more than 2000 hours).
- Need not prewarm when turning on.
- Measuring specific rotation, optical rotation, sugar degree and concentration
- Automatic repetition-measurement for 6 times, and calculation of average value and means square root
- Sample chamber adopts constant temperature designing in order to decrease the temperature heating effect on measurement
- Temperature display

Specifications:

Measurement range	$-45^{\circ} \sim 45^{\circ}$, $-120^{\circ}\text{Z} \sim 120^{\circ}\text{Z}$
Minimum reading	0.001°
Accuracy	$+(0.005 + \text{Measurement value} \times \sim 0.03\%)$ $+(0.015^{\circ}\text{Z} + \text{Measurement value} \times \sim 0.03\%)$
Repeatability (Standard deviation σ)	$\leq 0.002^{\circ}$, $\leq 0.006^{\circ}\text{Z}$
Minimum sample transmittance	1%
Weight (Gross)	32kg
Overall dimensions	850mm x 470mm x 380mm