

Specification Sheet

Modular Compact Polarimeter

MCP 150



Anton Paar

Measuring Scales:	°Optical Rotation, °Specific Rotation, %Concentration and user defined scales
Measuring range:	± 89.9°
Resolution:	0.001°
Accuracy:	± 0.005°
Repeatability:	± 0.005°
Response time:	Max. 12 sec.
Wavelength:	589 nm
Light source:	LED, with average lifetime of 100 000h.
Sensitivity:	A light intensity control compensates attenuation up to Optical Density (OD) 2.0.
Temperature sensor:	Built-in Pt 100 sensor
Temperature resolution:	0.1°C
Temperature accuracy:	± 0.1°C
Temperature control:	Automatic Peltier temperature control between 15 °C and 35 °C, or without temp. control
Sample cell / quartz control plate:	Toolmaster™ - Automatic sample cell and quartz control plate identification Sample cell path length of 2.5 to 100 mm
Display:	TFT Touch screen 5.7" (145 mm), 640 X 480 Pixels
Interfaces:	3 USB, RS232, Ethernet, CAN bus, 1 USB typ "B" for service Easy connection of keyboard, mouse, printer, bar code. Network capability.
Dimensions:	370 (L) X 320 (W) X 130 (H) mm (14.6 x 12.6 x 5.1 in.)
Weight:	8.6 kg (19 lbs)
Power supply / consumption	AC 100 to 240 VAC, 50/60Hz / 70VA, 120 VA max.