

Technical Data - MCP 100

Standard methods
AOAC 920.190, AOAC 970.57, AOAC 930.36, AOAC 920.184, AOAC 920.189, AOAC 920.188, AOAC 920.182, AOAC 920.82, AOAC 926.11, AOAC 898.02, AOAC 920.139, Ph. Eur. 2.2.7 - Optical rotation, USP 781 - Optical rotation

Technical Data:	
Measuring scales	°Optical Rotation, °Specific Rotation, %Concentration
Measuring range	±89.9°
Resolution	0.001°
Accuracy	±0.01°
Repeatability	±0.01°
Temperature:	
Temperature sensor	Built-in PT 100 sensor
Temperature resolution	0.1 °C
Temperature accuracy	±0.2 °C
Temperature control	Automatic Peltier temperature control at 20°C and 25°C, or without temp. control
Other specifications:	
Wavelength	589 nm
Light source	LED, with average lifetime of 100.000 hours
Sensitivity	A light intensity control compensates attenuation up to Optical Density (OD) 2.0
Sample cell / quartz control plate	Toolmaster™ - Automatic sample cell and quartz control plate identification; sample cell path length of 2.5 mm to 100 mm
Interfaces	3 USB, RS232, Ethernet, CAN bus, easy connection of keyboard, mouse, printer, bar code. Network capability