

Technical Data - MCP 5300 Sucromat

Standard methods
AOAC 950.31, AOAC 930.35, AOAC 921.10, AOAC 920.66, AOAC 920.191, AOAC 933.07, AOAC 920.96, AOAC 925.37, AOAC 920.188, ICUMSA GS1/2/3-2, ICUMSA GS7-7, ICUMSA GS6-3, ICUMSA GS4/7-1 ICUMSA GS2/3-1, ICUMSA GS6-1

	MCP 5300 Sucromat
Measuring scales:	°Z at 589 nm
Measuring range	± 259 °Z (± 89.9 °OR)
Resolution	0.001 °OR
Accuracy	± 0.003 °OR ± 0.01 °Z
Repeatability	± 0.003 °OR ± 0.01 °Z"
Response time	12 seconds
Wavelength	589 nm and optionally 880 nm
Light source	LED light source with 100 000 hours lifetime
Sensitivity	Optical Density (OD) of 4.0, equivalent to OD 7.0 at 880 nm
Temperature control and measurement:	
Sensor	PT100 sensor for sample temperature measurement inside the cell or quartz control plate; wireless transfer to the instrument
Resolution	0.1 °C
Accuracy	±0.1 °C
Temperature control range (Optional Peltier temperature control)	20 °C + 25 °C
Dimensions, power requirements, interfaces:	
Dimensions (L x W x H)	797 mm x 437 mm x 231 mm
Weight	33.5kg
Power management	Power-supply self-adapting to any mains voltage, 100 to 240 VAC, 50/60 Hz
Power consumption	185 VA
Interfaces	4 USB, RS232, Ethernet, VGA, CAN bus. Easy connection of keyboard, mouse, printer, bar code reader and networks.
Accessories:	
Sample cells	ToolMaster™: Wireless automatic identification of sample cells via RFID, sample cell path length from 2.5 mm to 200 mm
Quartz control plates	Automatic identification of the quartz control plate and automated wireless transfer or reference parameters into the instrument