Technical Data - MCP Sucromat

Standard methods
ICUMSA GS6-3, ICUMSA GS4/7-1, ICUMSA GS2/3-1, ICUMSA GS6-1, ICUMSA GS3-1, AOAC 896.02, AOAC 950.31, AOAC 930.35, AOAC 921.10, AOAC 920.66, AOAC 920.191

	MCP 5300 Sucromat	MCP 5500 Sucromat
Measuring range	± 259 °Z (± 89.9 °OR)	± 259 °Z (± 89.9 °OR)
Resolution	0.001 °OR	0.001 °OR
Accuracy	± 0.003 °OR	< 0.002 °OR
	± 0.01 °Z	< 0.006 °Z
Repeatability	± 0.003 °OR	< 0.001 °OR
	± 0.01 °Z"	< 0.003 °Z"
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	0.1 °C
Accuracy	±0.1 °C	±0.1 °C
Temperature control range (Optional Peltier temperature control)	20 °C + 25 °C	
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	