L LABORATORY

P PROCESS

S SOFTWARE

A AUTOMATION

SCHMIDT HAENSCH

innovators by tradition since 1864

EDM 5000
EDM 4000+

Density Meter

SPECIFICATIONS		EDM 4000+	EDM 5000
Measuring range		0 - 3 g/cm³	
Temperature range		10 - 95°C* (regulated Peltier thermoelement)	
Pressure range		0 to 10 Bar, (0 to 145 psi)	
Density	accuracy	0.0001 g/cm³	0.00005 g/cm³
	resolution	0.0001 g/cm³	0.00001 g/cm³
	reproducability	0.0001 g/cm³	0.00002 g/cm³
Temperature	accuracy	0.05 °C	0.03 °C
	resolution	0.01 °C	0.001 °C
	reproducability	0.02 °C	0.01 °C
Wetted parts		Borosilicate glass, PTFE	
Bubble detection		Yes (combined: visual-electronic)	
Drying		Integrated air pump	
Temperature compensation		Yes	
Minimum sample amount		Approx. 1.5 ml	
Measuring time per sample**		< 10 sec	< 30 sec
User Interface / Display		Integrated resistive 3.5" color TFT touchscreen	
Data Memory (scales, tables, function) Stand-Alone / L-Display		20 / > 1000 (4 GB extandable Memory)	
Interfaces		Serial Interface, SuH-Connector	
Printer		Serial ASCII or via Universal Display and/or PC*: Ethernet-, Serial-, USB-Printer	
Ambient conditions		Temperature 10°C to 35°C, Humidity < 85% not condensing	
Power supply		VAC 90-265; 50/60 Hz; 150 VAmax	
Weight / dimensions		Approx. 8,8 kg + 0,3 kg dry air cartridge; 320 x 235 x 218 mm (width x depth x height)	
Standards		European and American Pharmacopoeia and various ASTM and ISO standards	
Highlights		Compact size, low weight, modular system: can be used in combination with Schmidt+Haensch refractometer / polarimeter***, fast measuring time, easy exchange of consumables, low noise, color touch display, ethernet connectivity, fast temperature regulation by high power peltier thermoelement. **Universal Display is optional on extra cost.**	

* Valid for ambient temp. = 20 °C

** After temperature stabilisation

*** Optional PC and/or Universal Display

Typical application of the model

- Beverages
- Environmental
- Semi-Conductor
- Biotechnological industry
- Chemical industry
- Cosmetic industry
- Food industry
- Medical industry
- Petroleum industry
- Pharmaceutical industry
- Sugar industry

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