SCHMIDT
HAENSCH
innovators by tradition since 1864

EDM 5000
EDM 4000

Density Meter

SPECIFICATIONS		EDM 4000	EDM 5000
Measuring range		0 - 3 g/cm^3	
Temperature range Pressure range		5 - 95°C* (regulated Peltier thermoelement) 0 to 10 Bar, (0 to 145 psi)	
Density	accuracy resolution reproducability	0.0005 g/cm^3 0.0001 g/cm^3 0.0002 g/cm^3	0.00005 g/cm^3 0.00001 g/cm^3 0.00002 g/cm^3
Temperature	accuracy resolution reproducability	0.05 °C 0.01 °C 0.02 °C	0.03 °C 0.001 °C 0.01 °C
Wetted parts		Borosilicate glass, PTFE	
Bubble detection		Yes (combined: visual-electronic)	
Drying		Integrated diaphragm pump	
Temperature compensation		Yes	
Minimum sample amount		Approx. 2 ml	
Measuring time per sample**		< 30 sec**	
User Interface / Display		Integrated 3.5" color TFT Touchscreen	
Data Memory (scales, tables, function) Stand-Alone / L-Display		20 / > 1000 (4 GB extandable Memory)	
Interfaces		Serial Interface, Ethernet	
Printer		Serial ASCII or via L-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. 10 kg; 320 x 235 x 218 mm (width x depth x height)	
Standards		European and American Pharmacopoeia and various ATSM, ISO and DIN 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. With L-Display or PC Software Aquisys****: GMP/GLP and 21 CFR Part 11 compatibility, audit trail, password protection with 3 user levels, forgery-proof data export, different security levels and increased security settings, electronic properties.	

*   Valid for ambient temp. = 20 °C
**   After temperature stabilisation
*** Optional PC and/or L-Display
**** Available Q3 2015

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

TÜVthailand
CERT
ISO 9001:2008