

L LABORATORY

P PROCESS

S SOFTWARE

A AUTOMATION



**SCHMIDT
HAENSCH**
innovators by tradition since 1864

VariDens Series

Density Meter – The next generation



SPECIFICATIONS	VariDens C	VariDens B
Measuring range	0 - 3 g/cm ³	
Temperature range	10 - 95°C* (regulated Peltier thermoelement)	
Pressure range	0 to 10 Bar (0 to 145 psi)	
Specifications		
Accuracy	± 0.0001 g/cm ³	± 0.00005 g/cm ³
Reproducibility	± 0.0001 g/cm ³	0.00001 g/cm ³
Resolution	0.0001 g/cm ³	± 0.00002 g/cm ³
Temperature		
Accuracy	± 0.05 °C	± 0.03 °C
Reproducibility	± 0.02 °C	0.01 °C
Resolution	0.01 °C	± 0.01 °C
Temperature stabilization time	25 °C to 20 °C, ± 0.01 °C in 18 minutes*	
Wetted parts	Borosilicate glass, PTFE	
Bubble detection	Yes (combined: visual-electronic)	
Drying	Integrated air pump	
Temperature compensation	Yes	
Minimum sample volume	1.5 ml	
Measuring time per sample**	< 10 sec	< 30 sec
Display	7" touchscreen***, 800 x 480 Pixel	
Interfaces	Ethernet 10/100/1000, RS232, USB, WLAN***	
Ambient conditions	Temperature 10 °C to 35 °C, Humidity < 85 % not condensing	
Power	VAC 90-265; 50/60 Hz; 150 W max	
Conformity	International Pharmacopoeia, ASTM, AOAC, DIN, 21 CFR part 11, ICUMSA and others	
Dimensions	With display: 430 x 300 x 235 mm (w x d x h) / without display: 430 x 300 x 150 mm (w x d x h)	
Highlights	Modularity; user friendliness; fast temperature control; easy cleaning; virtually maintenance free product, 21 CFR part 11 conform; ELN; LIMS ready	

* Valid for ambient temp. = 20 °C

** After temperature stabilisation

*** Optional

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

