

L LABORATORY

P PROCESS

S SOFTWARE

A AUTOMATION



**SCHMIDT
HAENSCH**
innovators by tradition since 1864

VariDens Series

Density Meter

The benchtop density meter with proven oscillating U-tube principle, offering precise and reliable density and concentration measurements



21 CFR
Part 11 
COMPLIANCE *on request*

Specifications	VariDens C	VariDens B
Measuring range	0 - 3 g/cm ³	
Accuracy*	± 0.0001 g/cm ³	± 0.00005 g/cm ³
Reproducibility / Precision*	± 0.0001 g/cm ³	± 0.00002 g/cm ³
Resolution	0.0001 g/cm ³	0.00001 g/cm ³
Minimum sample volume	1.5 mL	
Response time	< 10 sec	
Temperature control range	10 °C to 95 °C (with internal peltier element)	
Ambient temperature	10 °C to 35 °C (Humidity: < 85 % not condensing)	
Temperature accuracy	± 0.05 °C	± 0.03 °C
Temperature reproducibility / precision	± 0.02 °C	± 0.01 °C
Temperature resolution	0.01 °C	0.01 °C
Temperature stabilization time	25 °C to 20 °C, ± 0.1 °C in 14 minutes (Valid for ambient temp. = 20 °C)	
Pressure range	0 - 10 Bar (0 to 145 psi)	
Interfaces	RS232, 2x USB A, Ethernet, REST API, WLAN (by WLAN adapter)	
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)	
Weight	13 kg	
Power supply	90 - 265 VAC; 50/60 Hz; max. 150 W	
Wetted parts	Borosilicate glass, PTFE	
Software	Aquisys3	
Bubble detection	Yes (combined: visual-electronic)	
Drying	Integrated air pump	
Display	Optional: 7" TFT Touchscreen, 800 x 480 Pixel, 16 Bit colors	
Peripherals / Operation	Optional: Touchscreen, Keyboard, Mouse, Barcode Reader, printer, Remote via PC/Tablet/Smartphone	
Standards, Conformity	International Pharmacopoeia, ASTM, AOAC, DIN, 21 CFR part 11, ICUMSA and others	

*Standard conditions (t= 20 °C, p= 1013 mbar)

