Technical data sheet

VP*FlowMate* probe®

Specifications

Measurement:	- Total consumption
	- Mass flow

Flow sensor:	
Measuring principle:	Thermal mass flow
Flow ranges:	0.5...150 m_n/sec
Accuracy:	0.5% of span. Please note that for insertion probes, the field accuracy depends on installation conditions.
Reference conditions:	0 degrees Celsius, 1013.25 mbar
Gases:	Compressed air, Nitrogen and inert, non condensing gases
Gas temperature range:	0....+50 deg C
Pressure range:	0..16 bar gage
Humidity range:	Up to 95% Relative Humidity, non condensing

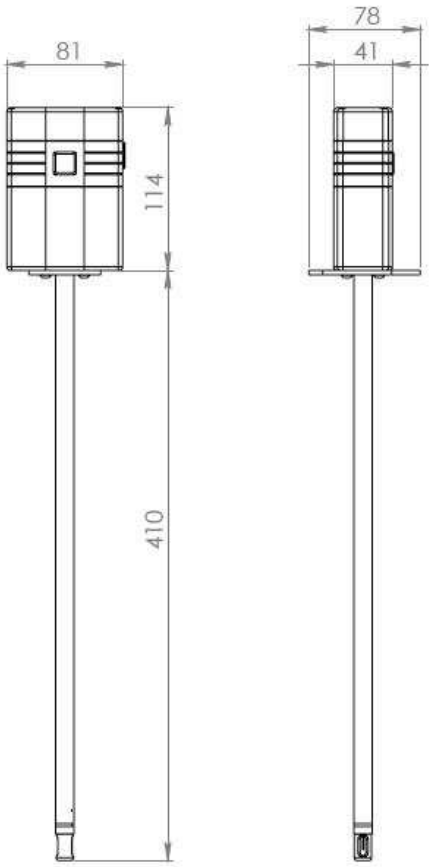
Display:	Optional
Technology:	Liquid Crystal (LCD)
Back light:	Yellow
Read out of:	- Mass flow in m^3_n/hr or m_n/sec - Total consumption in m^3_n

Mechanical:	
Probe lengths:	**400 mm** standardized, optional 300 and 600mm
Process connection:	Connected with 0.5” compression fitting (12.7 mm)
Protection grade:	IP65, avoid direct sunlight and rain
Housing material:	Aluminium, painted
Wetted materials:	Epoxy, glass, stainless steel 316
Corrosion resistance:	Highly corrosive or acid environments should be avoided

Electrical:	
Outputs:	RS232, 4..20mA (isolated), pulse (isolated)
Power supply:	12...24 VDC +/- 10 % Class 2 (UL) Power consumption < 100mA. Peak power at start up 500mA
Connection type:	M12 (8 pole)

Approvals/conformity:	
CE:	EN 61326-1, EN 50082-1
UL/ CUL:	14 AZ, Industrial Control Equipment

Technical drawings



Part number: VPP.RXXX.PXXX.DX		
VPF	VPFlowMate probe	Options:
RXXX	Flow range in m³n/sec:	150
PXXX	Probe length in mm:	400 (standard)
		300
		600
DX	Display	D1: display
		D0: no display