



PRODUCT DATA SHEET



Sensor flowplus-SPT M6

- Simultaneous measurement (static and dynamic) of pressure and temperature
- Relative pressure sensor
- Integrated evaluation electronics generate linear, temperature-compensated and power-enhanced voltage signals
- Material contact with FFKM and 1.4404, suitable for a variety of fluids
- Very good chemical resistance
- Easy installation in ViscoTec dispensers due to short sensor cable
- Reverse polarity protected
- Small sensor body enables low dead space volume
- Output signal enables cable break monitoring
- Chemical-resistant sensor cable
- Anti-kink spring to reduce damage and cable breaks
- Maintenance-free operation
- Optimal cleaning properties
- Various sensor connection cables can be selected for easy integration into control systems



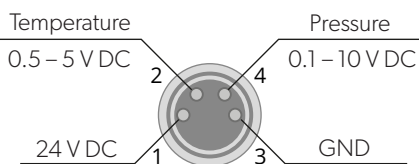


Technical data

flowplus-SPT M6

Measurement range pressure (bar)	0 – 40
Burst pressure (bar)	60
Temperature measurement range, depressurised (°C)	5 – 50
Operating temperature, under pressure (°C)	15 – 50
Temperature resistance, depressurised (°C)	0 – 80
Scaling output signal pressure	0.1 – 10 V DC (corresponds to 0 – 40 bar)
Scaling of output signal temperature	0.5 – 5 V DC (corresponds to 5 – 50 °C)
Measurement tolerance	±2% (of the final value)
Total length (mm)	approx. 210
Material sensor body	FFKM, 1.4404
Thread sensor body / Tightening torque	M6 x 0.75 / max. 3 Nm
Screw-in depth sensor body (mm)	9.8
Electrical connection	Plug, 4-pole M8
Power supply	24 V DC ±10%
Current input / load resistance / rated power	10 mA / 5 kΩ / max. 250 mW
Sampling rate	2 kHz
Short circuit protection	Yes
Protection rating	III
Protection class	IP67 in contact with material, otherwise IP54
Weight	15 g
Cable diameter / bending radius	3.2 mm / 32 mm

Pin assignment



Ansicht direkt auf die Pins

