



PRODUCT DATA SHEET



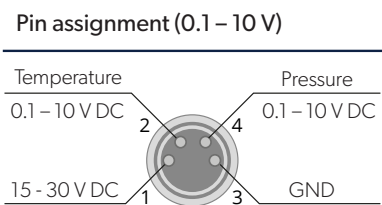
Sensor flowplus-SPT M6 J

- Pressure sensors for real-time monitoring for biotechnological applications
- Simultaneous measurement (static and dynamic) of pressure and temperature
- Relative pressure sensor
- Measurement range between 0 and 10 bar
- Available with measuring signal 0.1 – 10 V
- Integrated evaluation electronics generate linear, temperature-compensated and power-enhanced measurement signal
- Double-sided Luer-Lock connection for cartridge and dosing needle
- All of the parts that are in contact with the material made of stainless steel (1.4404 and 1.4435), suitable for a variety of fluids
- Very good chemical resistance
- Easy installation in ViscoTec dispensers due to short sensor cable
- Reverse polarity protected
- Small connection thread on the pressure transducer enables low dead space volume
- Output signal enables cable break monitoring
- Chemical-resistant sensor cable
- Maintenance-free operation
- Optimal cleaning properties





| Technical data | flowplus-SPT M6 J (0.1 – 10 V) |
|---|---|
| Measurement range pressure (bar) | 0 – 10 |
| Overload pressure (bar) | 50 |
| Burst pressure (bar) | 90 |
| Temperature measurement range, depressurised (°C) | 5 – 50 |
| Permissible operating, ambient and storage temperatures(°C) | 0 – 50 |
| Pressure output signal | 0.1 – 10 V DC (corresponds to 0 – 10 bar) |
| Temperature output signal | 0.1 – 10 V DC (corresponds to 5 – 50 °C) |
| Pressure measurement tolerance | ±2% of the final value (in the temperature rang 0 – 40 °C) |
| Total length / cable length (mm) | approx. 600 / 500 |
| Separate connection cable (mm) | approx. 2000 |
| Material | Sensor body (1.4404), diaphragm (1.4435), O-Ring R5x1 (FFKM), O-Ring R2,69x0,64 (FKM) Pressure adapter for Luer-Lock M6x0,75 (1.4404), Threaded sleeve (1.4571), cable (PUR) |
| 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 | 15 – 30 V DC |
| Protection class | IP67 (sensor side), IP54 (analysis electronics) |
| Weight | 90 g |
| Cable diameter / bending radius | 4.3 mm / 43 mm |



View directly on the pins

