



# PRODUCT DATA SHEET



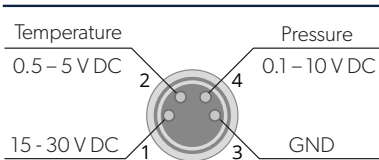
## Sensor flowplus-SPT M6 J

- 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                                   | 0.5 – 5 V DC (corresponds to 5 – 50 °C)   |
| Pressure measurement tolerance                              | ±2% of the final value<br>(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),<br>O-Ring R5x1 (FFKM), O-Ring R2,69x0,64 (FKM)<br>Pressure adapter for Luer-Lock M6x0,75 (1.4404),<br>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),<br>IP54 (analysis electronics)  |
| Weight  | 90 g  |
| Cable diameter / bending radius                             | 4.3 mm / 43 mm  |

**Pin assignment (0.1 – 10 V)**

View directly on the pins

