

MFP LUER-LOCK PRESSURE SENSOR

ELVEFLOW.COM/MICROFLUIDIC-FLOW-CONTROL-PRODUCTS/MICROFLUIDIC-FLOW-CONTROL-MODULE/MFP-MICROFLUIDIC-INLINE-PRESSURE-SENSOR/



MEASURE AND CONTROL PRESSURE OVER A LARGE RANGE



Flow-through pressure sensors adapted to gases or liquids, and compatible with the Luer-lock standard. The flowplus fluid sensor is intended to **measure the pressure** of fluid media flowing through the sensor.

✓ **HIGH CHEMICAL COMPATIBILITY**

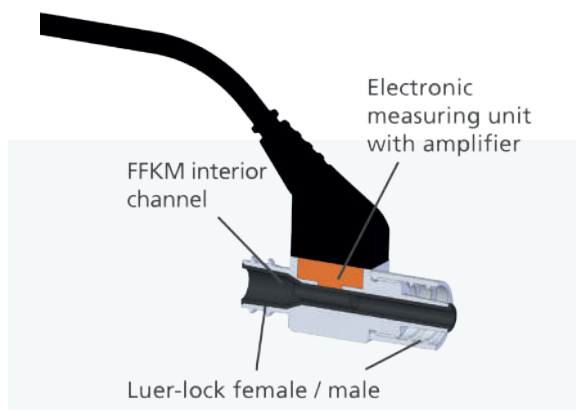
✓ **UP TO 16 BAR**

UNIQUE PERFORMANCES

- > Accuracy **up to 2 % FS**
- > 1 ranges **0 - 16 bar** - Overlay 25 bar
- > **No dead volume**
- > Flow rate **up to 100 mL/min**
- > Versatile: works with **gas & liquid**

APPLICATIONS

- > You can plug our pressure sensor anywhere within your microfluidic setup, record the pressure on your computer and adjust the pressure or flow accordingly using our pressure pumps.



WIDE MEDIA COMPATIBILITY

(material in contact: FFKM) FDA-certified and therefore, suitable for food industry use.

LUER-LOCK PRESSURE SENSOR	SPECIFICATIONS
Maximum flowrate ⁽¹⁾	100 mL/min
Pressure range	0 to 16 bar
Power supply	12 to 30 VDC
Wetted materials	housing: coated aluminum interior flow channel: FFKM, molding TPU
Output signal	0.1 to 10 V
Electrical connection	"push-pull" connector / M8 sensor plug
Mechanical connection	LUER-LOCK DIN EN 1707
Temperature range	15 to 45 °C
Internal volume	205 µL
Dimensions	inner diameter: between 4 mm and 1.8 mm length: 31.2 mm

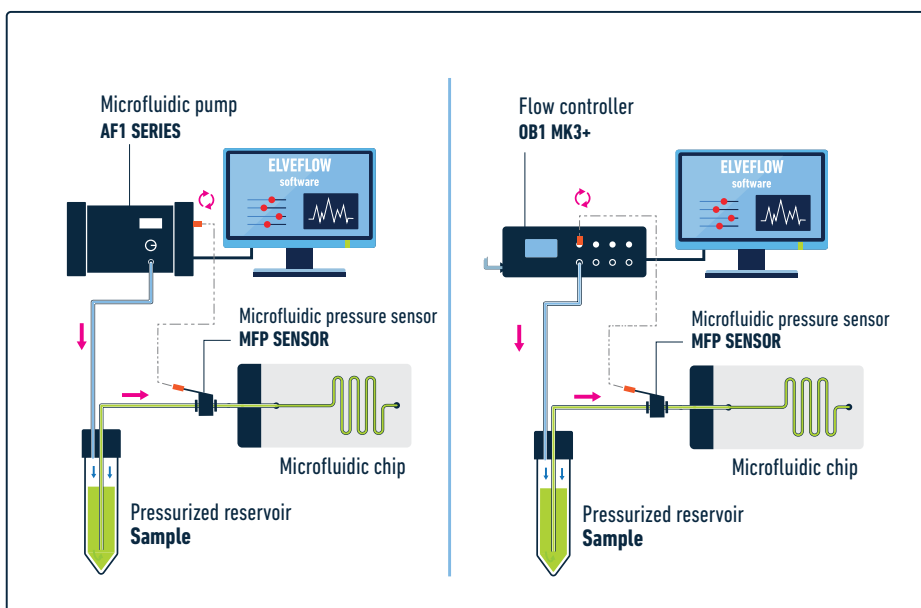
(1) Depends on the viscosity and primary pressure of the medium

Non-contractual information, may be changed without notice.

SENSOR SIZE (length): 31.2 mm

OUR PRESSURE SENSORS WORK AS GAUGE PRESSURE SENSORS, measuring pressure relatively to atmospheric pressure.

WITH ELVEFLOW FLOW CONTROLLERS: MONITORING + CONTROL



WITH SENSOR READER: MONITORING

