

PRODUCTS

# MEASUREMENT & DETECTION



# 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**

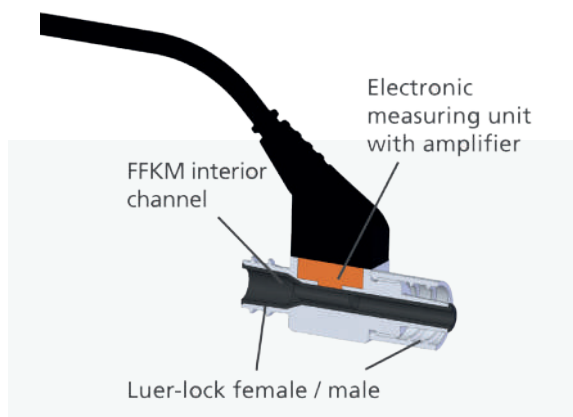
✓ **UP TO 16 BAR**

### 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 <sup>(1)</sup>	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

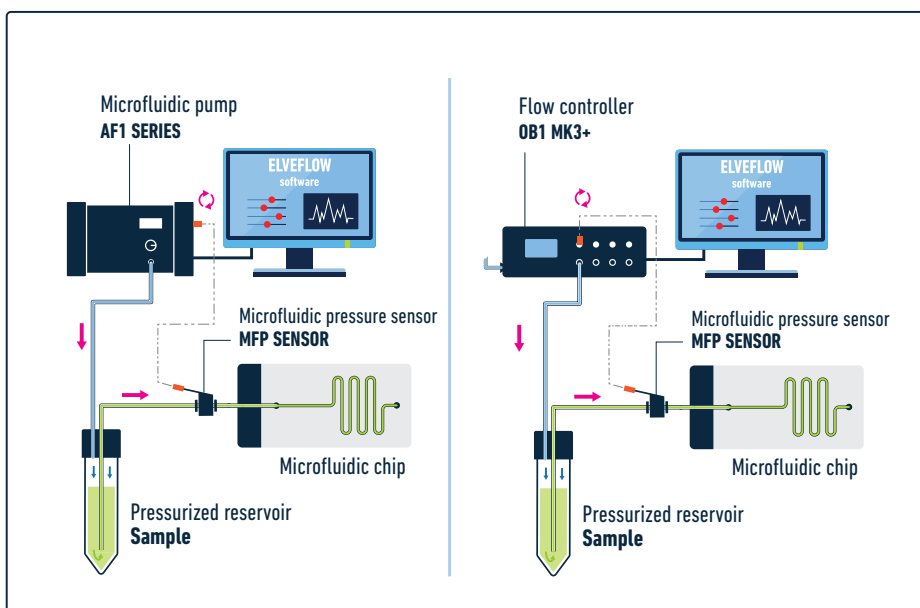
(1) Depends on the viscosity and primary pressure of the medium

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**

