

Commissioning and  
maintenance instructions

# FLUID SENSOR



Electronics



Analytics



Industrial



Life Science



Photonics

## 1 General

The flowplus® fluid sensor is intended to measure the pressure of fluid media flowing through the sensor. The sensor guarantees optimum process safety for almost all applications in which media are transported.

## 4 Installation

- Ensure that the internal chamber (interior flow channel) of the fluid sensor is free of foreign bodies.
- Use Luer-Lock connectors to connect the fluid sensor to the pipe carrying the pressurised fluid.
- Make the connection to the measuring unit (connect the fluid sensor to the extension cable using a “push-pull” connector, Fig. 1).

## 2 Scope of delivery

flowplus® fluid sensor, article no. 20795  
 Extension cable, 2 m, article no. 21039  
 Commissioning and maintenance instructions

## 3 Cleaning recommendation

After cleaning (alcohol, isopropanol, nitro thinners) thoroughly flush the interior flow channel and then let it dry.



The surface of the interior flow channel is delicate. Do not bring it into contact with sharp objects!

## 5 Technical data

Flow rate	up to 100 ml / min *
Principle of operation	relative pressure sensor
Measurement range	0 - 16 bar / overload 25 bar
Power supply	24 VDC ± 10%
Material	Housing anodised aluminium, interior flow channel FFKM, moulding TPU
Output signal (Fig. 2)	0.1 to 10 VDC
Electrical connection	“push-pull” connector, M8 sensor plug
Mechanical connection	Luer-Lock DIN EN 1707
Operating temperature	+15 to +45°C
Measurement accuracy	± 2% FS

\* depending on the viscosity and inlet pressure of the medium

