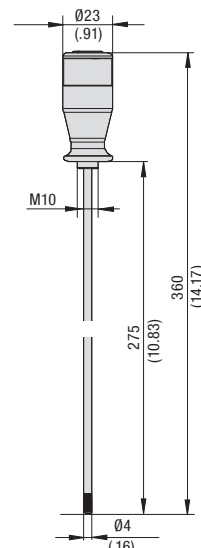
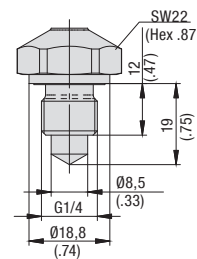
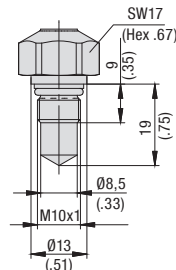
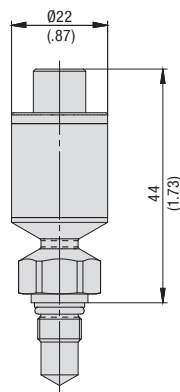


Temperature Sensor - Type PPC-04/12-T

B



Screw-in Temperature Sensor (T) Process Connection M10x1 Process Connection G1/4 Rod-type Temperature Sensor (TSH)

Product Description

The Screw-in Temperature Sensors PPC-04/12-T measure current temperature directly in the pipeline and are compatible with the Flow Turbine PPC-04/12-SFM and the Straight Threaded Joint SGV-16S-G-W3 (only process connection M10x1, see figure below). See product information of Flow Turbine on page 40.

The Rod-type Temperature Sensor PPC-04/12-TSH is especially designed to determine the media temperatures in tanks and containers.

Note: A Connection Cable PPC-04/12-CAB3 (3 m / 9.84 ft) is needed to connect the Temperature Sensor PPC-04/12-T or -TSH to the current Hydraulic Testers. An Extension Cable PPC-04/12-CAB5-EXT (5 m / 16.40 ft) is also available as an option. See page 44 for further information.

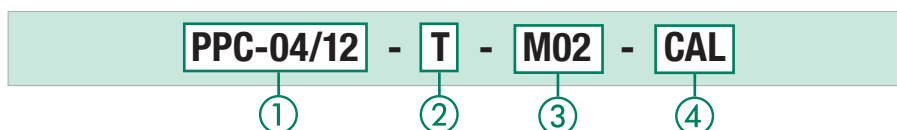
PPC-04/12-T	
Pressure Measurement	no
Temperature Measurement	yes
Process Connection	M10x1 or G1/4
Type	analogue 5-pin connection

PPC-04/12-T-M02 with SGV-16S-G-W3

For further information please see Catalogue 7 - STAUFF Test.



Order Codes



1 Series and Type

Temperature Sensor	PPC-04/12
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2 Version

Screw-in	T
Rod-type	TSH

3 Process Connection (only for Version T)

M10x1	M02
G1/4	B04

4 Calibration

Without calibration certificate	(none)
With calibration certificate	CAL

Technical Data

- Suitable for liquids (in the case of aggressive media only after contactation)
- 5-pin connection

Materials

- Housing (T): Stainless Steel
- Gaskets (T): FKM/FPM (Viton®)
- Rod (TSH): Stainless Steel 1.4304
- Handle (TSH): Delrin

Weight

- Screw-in (T)
 - M02 (M10x1): 70 g / .15 lbs
 - B04 (G1/4): 55 g / .12 lbs
- Rod-type (TSH): 120 g / .26 lbs

Connection

- STAUFF Test connection SGV-16S-G-W3 in the pipeline (only M10x1)
- Screw-in thread (T): M10x1 or G1/4 (see figure)
- Screw-in thread (TSH): M10

Ambient Conditions (Screw-in Temperature Sensor)

- Media temperature: -40°C ... +150°C / -40°F ... +302°F
- Ambient temperature: -40°C ... +85°C / -40°F ... +185°F
- Storage temperature: -40°C ... +85°C / -40°F ... +185°F

Ambient Conditions (Rod-type Temperature Sensor)

- Media temperature: -25°C ... +125°C / -13°F ... +257°F
- Ambient temperature: -25°C ... +70°C / -13°F ... +158°F
- Storage temperature: -25°C ... +80°C / -13°F ... +176°F

Measuring Range

- Measuring range (T): -40°C ... +150°C / -40°F ... +302°F
- Measuring range (TSH): -25°C ... +125°C / -13°F ... +257°F
- Operating pressure (T): 630 bar / 9137 PSI
- Maximum pressure (T): 800 bar / 11603 PSI
- Burst pressure (T): 2150 bar / 31183 PSI
- Accuracy: ±1 % FS

Electrical Data

- Input signal: 7 ...12 V DC
- Output signal: 0 ...3 V DC
- Response time (T)
 - M02 (M10x1): T₉₀ ≤ 4 s, T₉₅ ≤ 14 s
 - B04 (G1/4): T₉₀ ≤ 4 s, T₉₅ ≤ 12 s
- Response time (TSH): T₉₀ ≤ 9,1 s
- Long-term stability: ±0,01 % FS* a/Span
- Vibration loading: acc. to IEC 60068-2-6 (20 g)
- Shock loading: acc. to IEC 60068-2-27 (50 g)

* FS = Full Scale

Dimensional drawings: All dimensions in mm (in).

