

Flush diaphragm pressure transmitter TP 805-28



- Compact and heavy duty model
- Relative pressure from -1 up to 60 bar
- Output signal: 4-20 mA
- Stainless steel fitting: BSP 1"
- AISI 316L diaphragm (option: Hastelloy)

APPLICATIONS

Remote pressure values of viscous, pasty, sticky, crystallizing liquids, contaminated fluids, that may clog the fitting of a standard pressure transmitter.

DESCRIPTION

Accuracy, reliability, corrosion resistance and mechanical resistance make this pressure transmitter a suitable product for many industrial applications.

The built-in sensor is a piezoresistive sensor separated from the liquid by a stainless steel diaphragm. All parts and materials in use and the technology implemented make this sensor particularly resistant to vibrations and mechanical shocks.

Installation is quick and easy.
If necessary, it is possible to shift the zero and the range by $\pm 10\%$, without altering the performance. It does not require any maintenance.
Checks must be carried out according to Company's rules or to application.

TECHNICAL FEATURES

Measuring range	-1 ... 60 barg (relative pressure) 0... 60 bar ABS (absolute pressure) <i>See standard scales on page 2</i>
Overload limit	4 times the F.S.
Damaging overload	8 times the F.S.
Accuracy	$\pm 0.2\%$
Long term stability	0.1 % per year
Repeatability	0.05 %
Response time	< 120 ms
Liquid temperature	-40 ... +130 °C
Ambient temperature	-40 ... +80 °C
Temperature incidence	Max. 0.4 % / 10 °C
Humidity acceptance	R.H.: 0 to 98 %, condensing
Output signal	4-20 mA; 2-wire
Power supply	8 ... 36 V DC
Electrical connection	Connector DIN 43650 with PG 9 (\varnothing 6 to 8 mm cable)
Protection	IP 65 (with DIN connector fitted)

Materials:

Diaphragm	AISI 316 L (1.4435) Option: Hastelloy
Body	AISI 304 (1.4301)
Connector	Itamide (Nylon 6)

Mounting:

Fitting	Male thread, BSP 1"
Mass	About 90 g

BAMO INTERNATIONAL

22, Rue de la Voie des Bans · Z.I. de la gare · 95100 ARGENTEUIL

Tel +33 (0)1 30 25 83 20 Web www.bamo.eu

Fax +33 (0)1 34 10 16 05 E-mail export@bamo.fr

Flush diaphragm pressure
transmitter
TP 805-28

17-01-2020

D-805.05-EN-AC

PR

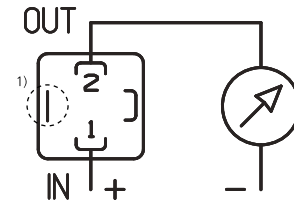
805-05/1

Agreements:

- Directive EN 61326-1 & EN61000-6-2, electromagnetic compatibility

EC Conformity: The instrument meets the legal requirements of the current European Directives.**Options:**

- ATEX version
- Marine Certificate DNV and BR
- Accuracy: 0.16 %
- MODBUS Protocol
- SIL 1 certificate
- Response time less than 30 ms

Electrical connections

1 (IN) 2 (OUT)

CODE NUMBER AND REFERENCE

Code	Reference	Description
805 300	TP 805-28	Flush diaphragm transmitter (Scale to be specified)

Standard scales:

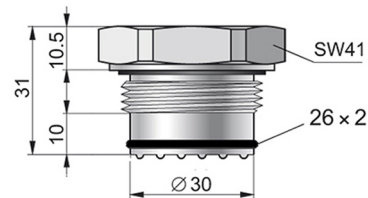
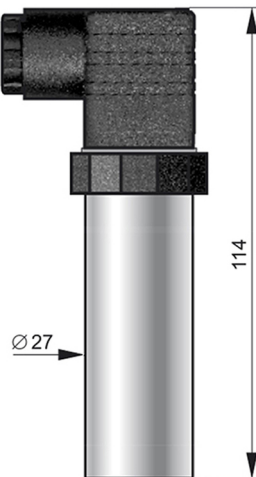
- **For relative pressure:**

In barg: 0 to -1; -0.4; -0.1; 0.1; 0.4; 1; 2.5; 6; 10; 16; 25; 60

- **Absolute pressure:**

In bar ABS: 0 to 0.4; 1; 2.5; 6; 10; 16; 25; 60

Other scales: on request

DIMENSIONS [mm]**INSTALLATION PRECAUTIONS**

- These transmitters should be handled by qualified technicians.
- Wet parts must be suitable with the liquid, application.
- Overload pressure limit must be considered and respected.
- Protect the device from the direct action of UV / sunlight.

BAMO INTERNATIONAL

22, Rue de la Voie des Bans · Z.I. de la gare · 95100 ARGENTEUIL

Tel +33 (0)1 30 25 83 20 Web www.bamo.eu

Fax +33 (0)1 34 10 16 05 E-mail export@bamo.fr

Flush diaphragm pressure transmitter
TP 805-28

17-01-2020

D-805.05-EN-AC

PR

805-05/2