

8316

bürkert
FLUID CONTROL SYSTEMS

Relativ- und Absolutdrucktransmitter
Bedienungsanleitung (Seite 2-4)

Relative and absolute pressure transmitter
Operating instructions (page 5-7)

Transmetteur de pression relative et absolue
Mode d'emploi (page 8-10)



English

MAN 1000189861, EN, Version: 1.0, Status: RL (released | freigegeben) printed: 27.02.2019

Range of application for the pressure transmitter type 8316

The pressure transmitter is used to measure relative and absolute pressure of liquid and gases.

The pressure transmitter consists of a piezoresistive measuring cell with a diaphragm, installed in a stainless steel housing. This transmitter is available with various connector types, IP protection standards as well as current- and voltage outputs.

Installation

The location of the device has no influence on the precision of the measurement.

Before installation, compare the process data with the data of the name plate.

The medium being measured must be suitable for the parts of the pressure transmitter in contact with the medium.

Connect the devices to a fixed cable installation.

The devices may only be installed, connected, set-up and operated by qualified staff and in compliance with the technical specifications.

The effects of UV radiation can cause materials to become brittle. Protect the device from direct sunlight.

Safety instructions

In terms of a safety-instrumented system, this device left the factory in perfect condition. To maintain this status and to ensure safe operation of the device, observe the following notes:



The device may only be used for the purposes specified in these instructions.

When connecting up, installing and operating the device, the directives and laws of your country apply.

The device is not used properly, serious bodily injury and/or considerable damage to property cannot be excluded. This should be kept in mind particularly when the device was in use and is replaced.

The transmitter is preset to the specific measuring range at the manufacturer's plant. An additional setting is not possible.

The overload limit should be monitored and kept to at all times.

The transmitter is maintenance-free.

Connect the device to a low voltage power supply with safe separation (SELV).

For equipment with a UL mark, they must be supplied with limited energy according to UL 61010-1 Second Edition, Section 9.3 or LPS in conformance with UL 60950-1 or class 2 in compliance with UL 1310 or UL 1585.

Tests / Admissions

Electromagnetic compatibility: CE conformity acc. EN 61326-2-3

UL recognized component marks: acc. E312665

Shock acc. IEC 60068-2-27: 25 g, 6 ms half sine wave, all 3 directions.

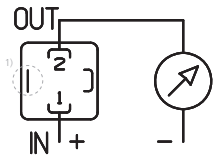
Drop test EN 60068-2-23: from 1 m on concrete

Vibration acc. IEC 60770-1: 5 m/s, 10 ... 1000 Hz, 1 Octave/min 20 constant load per axis

Electrical Connection

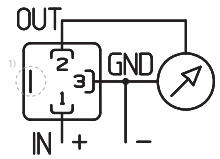
2 wire

Connector DIN EN 175301-803-A or C



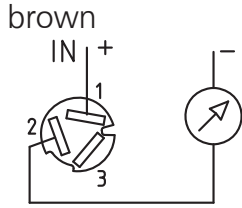
1 (IN) 2 (OUT)

3 wire



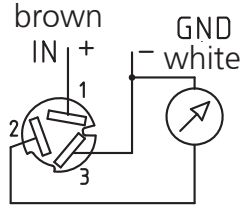
1 (IN) 2 (OUT) 3 (GND)

Twift connector



OUT green

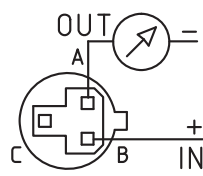
1 (IN) 2 (OUT)



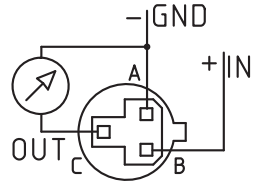
OUT green

1 (IN) 2 (OUT) 3 (GND)

Metri Pack Serie 150

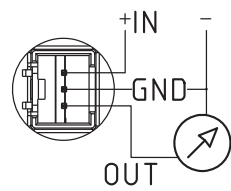


B (IN) A (OUT)



B (IN) C (OUT) A (GND)

Connector RAST 2.5

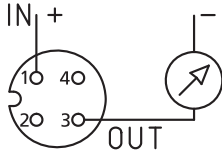


¹⁾ Not connected with transmitter housing

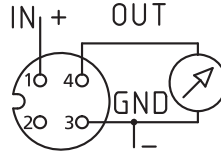
2 wire

3 wire

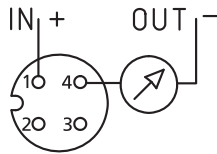
Connector M12x1



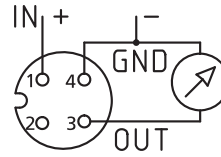
1 (IN) 3 (OUT)



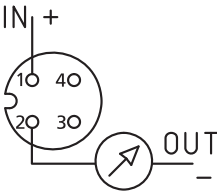
1 (IN) 4 (OUT) 3 (GND)



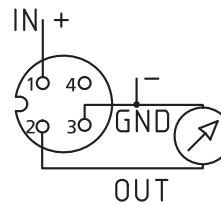
1 (IN) 4 (OUT)



1 (IN) 3 (OUT) 4 (GND)

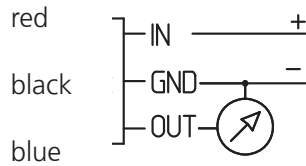
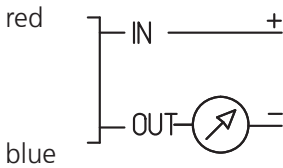


1 (IN) 2 (OUT)



1 (IN) 2 (OUT) 3 (GND)

Braids





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FLUID CONTROL SYSTEMS

BÜRKERT S.A.S
Rue du Giessen
B.P. 21
F 67220 TRIEMBACH AU VAL
Téléphone +33 (0) 388 58 91 00
Téléfax +33 (0) 388 57 09 61
www.burkert.com