electronic pressure transmitter
compact design
basic type 7018

case and process connection stainless steel, for OEM
output signal 4-20 mA, 2-wire technology, supply voltage 8...30V DC
IP65, WIKA model A-10

>> Measuring principle
Electronic pressure transmitters record the pressure and convert the pressure into an electrical output signal, e.g. 4 ... 20 mA. This allows the pressure to be displayed and monitored.

>> Application
Our reliable pressure sensors are well suited for general industrial applications up to 600 bar. Type 7018 and 7019 are suitable for gaseous and liquid media which are not highly viscous or crystallizing. For viscous media we recommend pressure connections with flush diaphragm (type 7032) or the attachment of a diaphragm seal.

Use the high quality pressure transmitters for general industrial applications for
- Mechanical and plant engineering
- hydraulics, pneumatics
- pumps, compressors

When selecting the device you should consider the overload limit.

Please check the following technical specifications and our operating instructions to determine if this product is suitable for your specific application.

Our standard measuring devices are described below. If you have any questions, please do not hesitate to contact us.



Pressure transmitter Type 7018 (WIKA-Sensor A-10)
case and process connection stainless steel
With seal for mating connector (blue)
Screw-in thread G1/4 A DIN EN ISO 1179-2 (formerly DIN 3852-E), seal: NBR
Electrical connection: Angle plug acc. to DIN EN 175301-803, form A with cable socket

© 2021 BMG-Baumgart · Änderungen vorbehalten

BMG-Baumgart GmbH & Co. KG Mess- und Regeltechnik
An der Bega 28 · 32657 Lemgo · Tel.: 0 52 61 / 25 81-0 · Fax: 0 52 61 / 25 81-33 · vertrieb@bmg-baumgart.de · www.bmg-baumgart.de

electronic pressure transmitter
compact design
basic type 7018

case and process connection stainless steel, for OEM
output signal 4-20 mA, 2-wire technology, supply voltage 8...30V DC
IP65, WIKA model A-10

>> Design (like WIKA-Sensor A-10)
Non-linearity 0,5 %
CE: EMC directive EN 61326 emission (group 1, class B) and immunity (industrial application)
EU declaration of conformity, Pressure equipment directive 97/23/EG

>> Case
Stainless steel, compact design, dimension: 61 x 48 mm
IP65 with mating connector

>> Display
without

>> Measuring range
Standard
0... 1 bar
0... 1,6 bar
0... 2,5 bar
0... 4 bar
0... 6 bar
0... 10 bar
0... 16 bar
0... 25 bar
0... 40 bar
0... 60 bar
0...100 bar
0...160 bar
0...250 bar
0...400 bar
0...600 bar
further measuring ranges on request

Notice:
Permissible temperature:

Ambient:	0…+50°C
Medium:	max. +80°C
	optionally max. +100°C

Overpressure limit depending on measuring range:

< 1 bar:	3 bar
1 bar bis < 600 bar:	2-fold
600 bar:	1,43-fold

>> process connection
Stainless steel, screw-in thread G1/4 A DIN EN ISO 1179-2 (formerly DIN 3852-E)
Seal: NBR

>> Voltage supply
8…30V DC

>> Mating connector
7018: Angular connector DIN 175301-803 A with cable socket (IP65 only when plugged in)
7019: Circular connector M12x1, 4-pin (IP65 without mating plug)

>> output signal
4…20 mA, 2-wire
Optional available on request:
3-wire: 0…5V DC, 0…10V DC, others on request

>> Shock resistance per IEC 60068-2-27
500 g

>> Vibration resistance per IEC 60068-2-6
10 g

>> Accessories (optional, please specify separately when ordering)
Mating connector
Seals
Weld-in socket
Certificates on demand

>> Other options on request. Please contact us. We will advise you competently and reliably.

© 2021 BMG-Baumgart · Änderungen vorbehalten

BMG-Baumgart GmbH & Co. KG Mess- und Regeltechnik
An der Bega 28 · 32657 Lemgo · Tel.: 0 52 61 / 25 81-0 · Fax: 0 52 61 / 25 81-33 · vertrieb@bmg-baumgart.de · www.bmg-baumgart.de

electronic pressure transmitter
compact design
basic type 7018

case and process connection stainless steel, for OEM
output signal 4-20 mA, 2-wire technology, supply voltage 8...30V DC
IP65, WIKA model A-10

>> Order key

7	0	1	8					(Angular connector DIN 175301-803 A with cable socket)
7	0	1	9					(Circular connector M12x1, 4-pin)

1. Measuring range

0... 1 bar	069
0... 1,6 bar	070
0... 2,5 bar	072
0... 4 bar	073
0... 6 bar	074
0... 10 bar	075
0... 16 bar	076
0... 25 bar	078
0... 40 bar	079
0... 60 bar	080
0... 100 bar	081
0... 160 bar	082
0... 250 bar	084
0... 400 bar	086
0... 600 bar	087
other, on request please specify in plain text	xxx

2. options

without	blank
Other, on request please specify in plain text	*S*

Please fill in all empty fields of the order key.
Please refer to the adjacent information for the corresponding key figures.
Options are possible on request. Please specify them in plain text.

Ordering example
7018 078
Pressure transmitter. Stainless steel (Typ 7018), measuring range 0...+25 bar

Weight: approx. 80 gram Type 7018

© 2021 BMG-Baumgart · Änderungen vorbehalten

BMG-Baumgart GmbH & Co. KG Mess- und Regeltechnik
An der Bega 28 · 32657 Lemgo · Tel.: 0 52 61 / 25 81-0 · Fax: 0 52 61 / 25 81-33 · vertrieb@bmg-baumgart.de · www.bmg-baumgart.de