

Pressure Transducers

WIKA-A-10 Type

The WIKA pressure sensors are designed for continuous monitoring of oil, gas, water, hydraulic and other pressure media in mobile equipment, industrial hydraulics, compressors and process control equipment.

Economical price and rugged design allows the WIKA transducers to be designed into O.E.M. machinery to give control and condition monitoring information. The compact construction makes it ideal for installing where space is at a premium. Combined with one of the wide range of Webtec digital readouts both continuous and peak pressures can be measured.

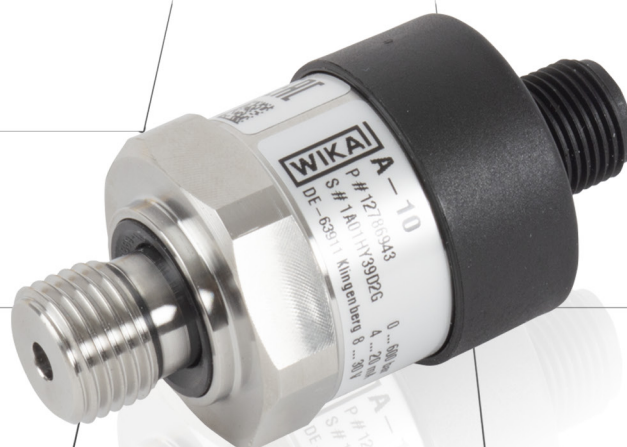
Specifications

Maximum Rated Pressure:	Up to 600 bar, 10,000 psi
Operating Temperature Range:	-40 to 100°C, -40 to 212°F
Ambient Temperature:	-40 to 100 °C, -40 to 212 °F
Compatible Fluids:	Mineral oils to ISO 11158. Other fluids consult sales office.
Accuracy:	≤ ±1% Full Scale
Material: Body Materials:	Stainless Steel 316L, HNBR, PA
Internal Materials:	Stainless steel 316L and PH steel
Materials:	FKM
Weight:	0.08 kg, 0.18 lbs
Mounting:	BSPP, SAE, NPT
Electrical IP Rating:	IP67
Supply voltage (VS):	8 - 30 VDC all models
Current Output:	4- 20 mA, 2 wire loop, max load ≤ (VS - 8V) / 0.02A
Connector Type:	M12 x 1 4 pin

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Features

- Accurate (≤±1% of Full Scale)
- Economically priced
- Rugged design
- Output: 4 - 20mA
- Stainless Steel wetted parts
- Connector: Male 4 pin M12 x1.0
- Nominal thread forms available - BSPP & SAE, NPT



Sales Order Code

MODEL NUMBER	PRESSURE RANGE (GAUGE)	OUTPUT	PRESSURE CONNECTION
WIKA-A-10-016B	16 bar	4-20 mA	1/4" BSPP
WIKA-A-10-100B	100 bar	4-20 mA	1/4" BSPP
WIKA-A-10-400B	400 bar	4-20 mA	1/4" BSPP
WIKA-A-10-600B	600 bar	4-20 mA	1/4" BSPP
WIKA-A-10-200P	200 psi	4-20 mA	7/16"-20UN #4 SAE ORB Male
WIKA-A-10-1K5P	1500 psi	4-20 mA	7/16"-20UN #4 SAE ORB Male
WIKA-A-10-7K5P	7500 psi	4-20 mA	7/16"-20UN #4 SAE ORB Male
WIKA-A-10-10KP	10000 psi	4-20 mA	1/2" NPT *

Please contact our technical sales team to discuss any special order requirements.

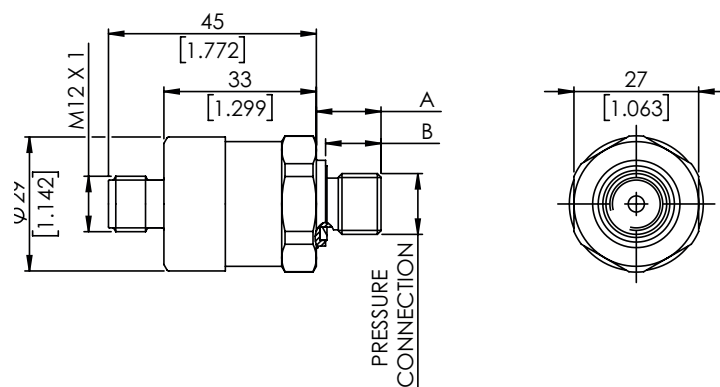
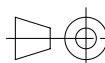
* Threads are to ANSI B1.20.1. As stated in the standard it is recommended that "sealing is accomplished by the means of a sealant applied to the thread".

Additional Specifications

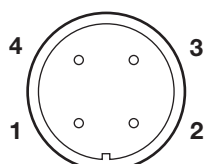
Thermal Error:	≤±1% Full Scale at 0 to 80°C (32 to 176°F)
Proof Pressure:	2 times full scale (1.7 times full scale for 1500 & 10000 psi)

Installation Details

UNITS	A		B	
	mm	inch	mm	inch
BSPP	14	0.551	12	0.472
SAE	14	0.551	12	0.472
NPT	19	0.75	17	0.67



Connection Details 4 - 20 mA



Pins

- 1 - +IN
- 2 - Do not connect
- 3 - 0V
- 4 - Do not connect

Connecting cable (5m)	FT10228-05
Extension cable (5m)	FT10229-05
Connector (M12x1 5 pin)	FT9880

Mounting details

Use 27mm Wrench to tighten

Accessories

For Panel meters (readouts) see APM bulletin

For temperature transducers TP bulletin

For flow meters see CT, CTR or flowhub bulletin

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