

## Pressure sensors

### Ex ia I / IIC T6 acc. to ATEX

with internal diaphragm

with front flush diaphragm

Accuracy: 0,25% and 0,5 %

Standard output: 4...20 mA; 2-wire system



## Description

$\langle Ex \rangle$  - pressure sensors Industrial Heavy Duty are top of the range products in Ex - pressure gauge technology.

The intrinsically safe Ex - pressure sensors are designed for zone 1 (optional mount on Zone 0) and have special type approval for use in potentially explosive atmospheres and a CENELEC certificate according to the ATEX certification.

The measuring ranges, graded in accordance with EN, range from 100 mbar to the maximum pressure range of 1000 bar. The case and wetted parts comprise stainless steel and are thus resistant to chemically aggressive media. The pressure connection and measuring element are welded together, making the measuring system particularly resistant to mechanical shock or vibration.

The pressure connection is fitted with a G ½ male thread. Several electrical connections can be obtained to pick up the electrical output signal.

The front flush pressure diaphragm avoids zones, in which medium could crystallize or residues could form

The field case design enables use in aggravated operation conditions.

The Ex - pressure sensors Industrial Heavy Duty meet the electronic magnetic compatibility (EMC) requirements to EN 61326.

## Features

- intrinsically safe, zone 1
- option: build to zone 0
- high long-term stability
- high accuracy
- finely graded selection of nominal pressure ranges according to EN
- corrosion resistant stainless steel design
- good repeatability
- high overload protection
- for dynamic and static measurements
- simple installation
- ATEX certificate

## Measuring ranges

High pressure

Negative	-1...0 bar	to	-0,1...0 bar
Positive	0...0,1 bar	to	0... 1000 bar
Absolute pressure	0...0,25 bar	to	0... 16 bar

## Applications

Chemical and pharmaceutical industry,  
food industry and environmental technology,  
process engineering.

Model: PEX10, PEX11, PEX13, PEX14

## Technical data

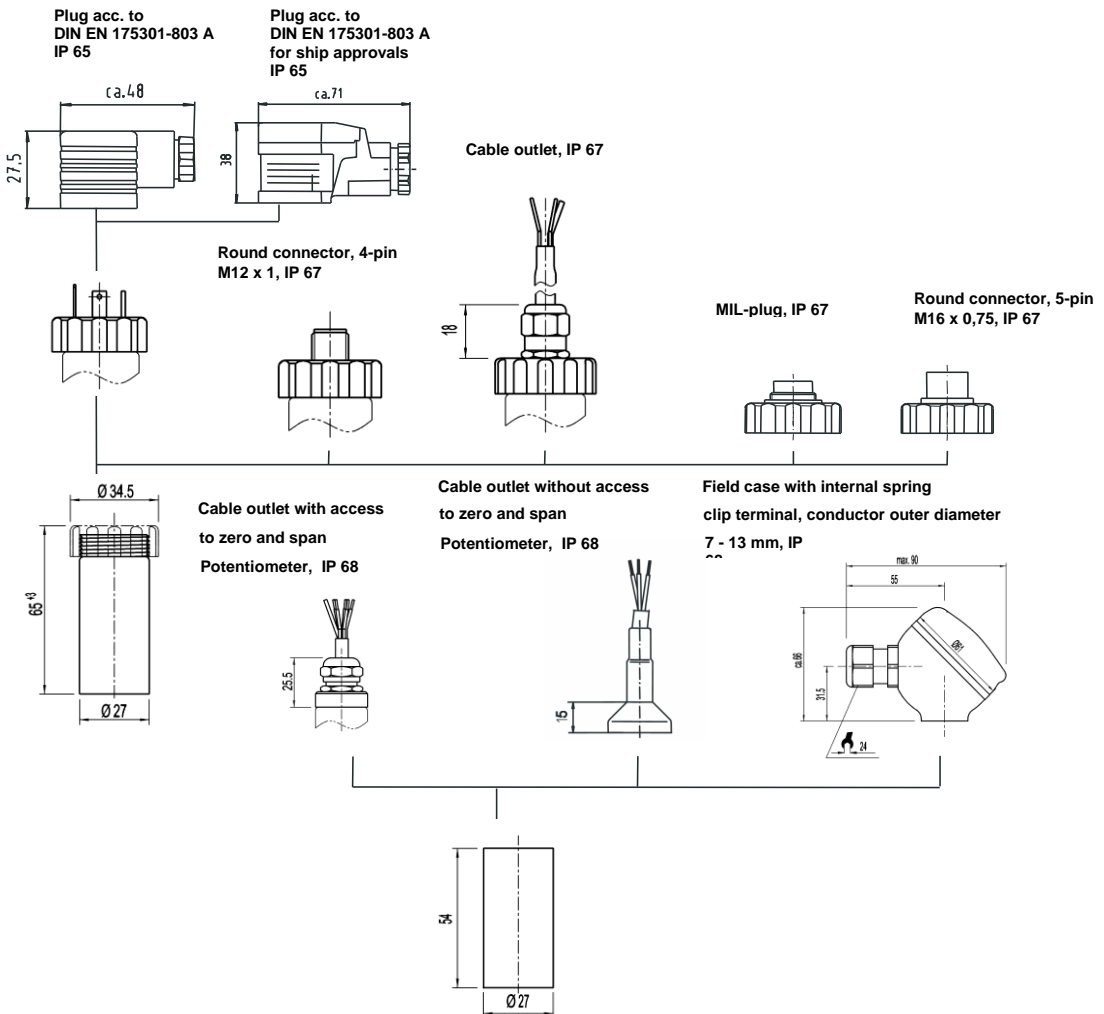
Model	PEX10	PEX11	PEX13	PEX14
Type	Standard with internal diaphragm	Standard with front flush diaphragm	Field case with internal diaphragm	Field case with front flush diaphragm
Pressure type	negative / positive / high pressure absolute pressure <sup>3)</sup>			
Output signal	4...20 mA - 2- wire system			
Accuracy % of F.S. <sup>1)</sup>	0,5 (option 0,25 BFSL) 0,25 (option 0,125 BFSL) <sup>2)</sup>			
Measuring ranges acc. to EN <sup>2)</sup>	0 ... 0,1 bar <sup>2)</sup> to 0 ... 1000 bar	0 ... 0,1 bar to 0 ... 600 bar	0 ... 0,1 bar to 0 ... 1000 bar	0 ... 0,1 bar to 0 ... 600 bar
Repeatability	≤ ± 0,05 % of F.S.			
Stability (annual)	≤ ± 0,2 % of F.S. in rated conditions			
Case	stainless steel 1.4571			
Process connection	G ½ B acc. EN 837 option: G ¼ B, ½ NPT, ¼ NPT	to 1,6 bar G 1 B; from 2,5 bar G ½ B	G ½ B acc. EN 837 option: G ¼ B, ½ NPT, ¼ NPT	to 1,6 bar G 1 B; from 2,5 bar G ½ B
Wetted parts	stainless steel	stainless steel, NBR option Hastelloy C4	stainless steel	stainless steel option Hastelloy C4
O-ring		option FPM, EPDM		option FPM, EPDM
Overload limit	≤ 16 bar 3,5-fold; ≤ 600 bar 2-fold; > 600 bar 1,5-fold; vacuum proof			
Electr. connection and protection type acc. to EN 60 529/IEC529	plug acc. to DIN EN 175301 - 803 A with junction box ( PG 9 ), IP 65 option: plug acc. to DIN EN 175301- 803 A with junction box ( PG13,5 ), IP 65 for ship approval) round connector 4-pin M12x1, IP 67 MIL-plug 6-pin round connector M 16x0,75 5-pin cable outlet IP 67 with 1,5 m cable with inner ventilation cable outlet IP 68 with 1,5 m cable with inner ventilation (zero / span adjustable) cable outlet IP 68 with 1,5 m cable with inner ventilation (zero / span not adjustable)			
Power supply	10 ... 30 VDC ( field case 11... 30 VDC )			
Power consumption	signal current			
Power PI	1W (750 mW with approval for Category 1D)			
Load standard	$R_A[\Omega] \leq (U_B[V]-10V)/0,02A - ( 0,14[\Omega] \times \text{cable length in [m]} )$			
Load field case	$R_A[\Omega] \leq (U_B[V]-11V)/0,02A$			
Test circuit signal	$R_A[\Omega] < 15 \text{ max. load}$			
Temperature comp. Range	0... 80 °C			
Temperature influence <sup>4)</sup>	≤ 0,2 % /10 K on zero and span			
Adjustability	Zero and span up to ± 10%			
Response time	≤ 1 ms (within 10 % to 90 % of. F.S.)			
Protection type	IP 65 acc. to EN 60 529/IEC 529			
CE-certification	89/336/EWG, interference emission and immunity see EN 61326, interference emission limit class A and B, ATEX EN 50014 (general part), EN 50 020 (intrinsic safety), EN 50 284 (Zone 0), EN 50 281-1 (dust-Ex), EN 50303 (mining industry)			
HF immunity	10 V/m			
Burst	2 kV			
Electrical protection types	reverse polarity protection			
Explosion proof protection type ATEX	EEx ia I / IIC T4-T6 (BVS 08 ATEX E 067 X) <sup>5)</sup> category 1G, 1/2G, 2G , 1D, 1/2D, 2D, M1, M2			
Temperature ranges				
- storage	-30 ... 105 °C			
- media	-20... 80 °C <sup>6)</sup>			
- ambient	-20 ...80 °C <sup>6)</sup>			
Weight	ca. 0,2 kg			

of.F.S.= of Full Scale

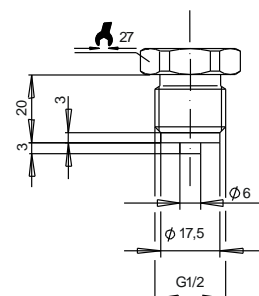
- 1) Terminal point adjustment according to DIN 16 086, including non-linearity and hysteresis, zero point and full scale deviation
- 2) 0,25% accuracy only for ranges ≥ 0,25 bar
- 3) Absolute pressure from 0,25 bar to 16 bar
- 4) Tk zero point < 0,4 % /10 K; for measuring ranges 0...0,1 and 0...0,16 bar
- 5) Application conditions and safety data see listing acc. to EC Type Test certificate (BVS 08 ATEX E 067 X)
- 6) Other temperature range, see listing acc. to EC Type Test certificate

# Dimensions (mm)

## Case

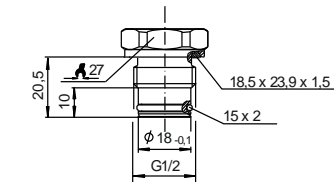
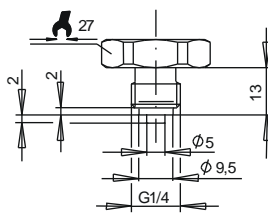


## Pressure connection internal diaphragm

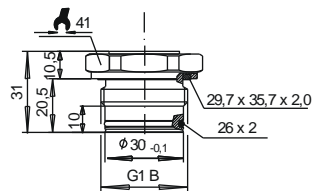


A-006

## Pressure connection front flush diaphragm

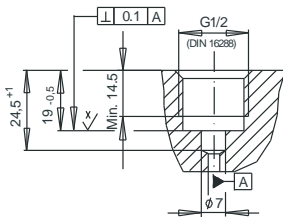


A-016

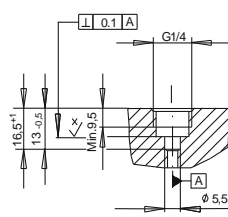


A-012

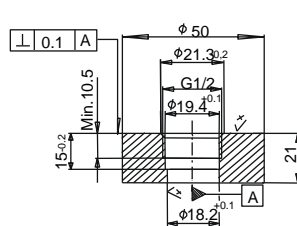
## Screw-in aperture internal diaphragm



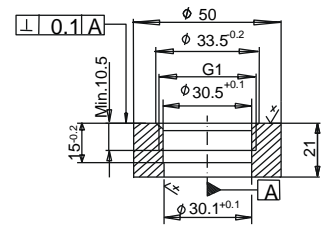
S-001



## Weld-on adapter front flush diaphragm



S-002

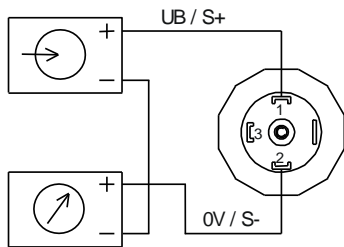


S-004

# Electrical connection

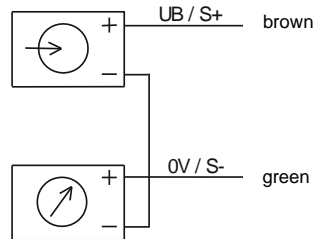
## Two-wire system

Plug to DIN 43 650



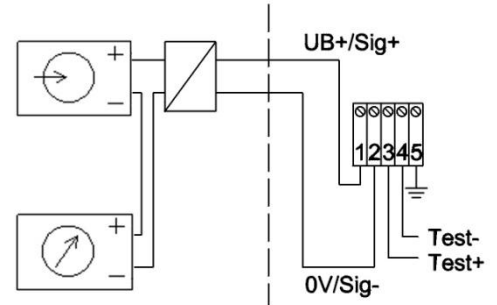
E-001

Cable outlet

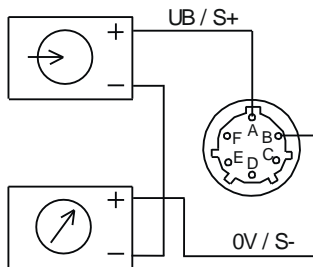


E-015

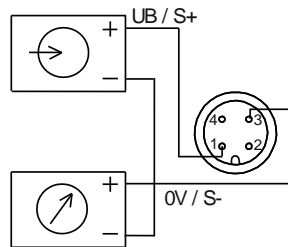
Field case



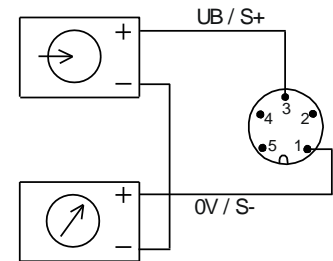
Mil-plug PT 02 E-10-6P



4-pin round connector M 12 x 1



5-pin round connector M 16 x 0,75



E-033

## Ex-Zone (in comparison ATEX and CSA)

	Flammable material Present continuously	Flammable material Present intermittently	Flammable material Normally not present
<b>ATEX</b>	Zone 0 (Zone 20 dust)	Zone 1 (Zone 21 dust)	Zone 2 (Zone 22 dust)
<b>CSA</b>	Zone 0	Zone 1	Zone 2
	Division 1		Division 2

		ATEX Group	CSA Class	Group
<b>Above ground</b>	<b>Gases and vapours</b>	<b>IIA / IIB / IIC</b>	<b>I</b>	<b>A / B / C / D / E / F / G</b>
	<b>Dusts</b>		<b>II</b>	
	<b>Fibres</b>		<b>III</b>	

## Other details

1. Model
2. Measuring range
3. Options
4. **Ex-Zone**

Modifications reserved


## - High pressure sensors

Ex ia I / IIC T6 acc. to ATEX

**Accuracy:** 0,5 %  
**Standard output:** 4...20 mA; 2-wire system



### Description

- pressure sensors Industrial Heavy Duty are top of the range products in Ex - pressure gauge technology.

The intrinsically safe Ex - pressure sensors are designed for zone 1 (optional mount on Zone 0) and have special type approval for use in potentially explosive atmospheres and a CENELEC certificate according to the ATEX, additionally accreditation according.

The measuring ranges range from 0...1600 bar to the maximum pressure range of 0...8000 bar. The case and wetted parts comprise stainless steel and are thus resistant to chemically aggressive media. The pressure connection and measuring element are up tightened via a metal cone. Therefore there is no risk of leakage in the welding seams.

A relief bore ensures a defined escape for the media in direction of the pressure connection in case of damage.

Several electrical connections can be obtained to pick up the electrical output signal.

The field case design enables use in aggravated operation conditions.

Pressure sensors Industrial Heavy Duty meet the electronic magnetic compatibility (EMC) requirements to EN 61326.

### Features

- intrinsically safe, zone 1
- option: build to zone 0
- high long-term stability
- high accuracy
- finely graded selection of nominal pressure ranges according to EN
- corrosion resistant stainless steel design
- good repeatability
- high overload protection
- for dynamic and static measurements
- simple installation
- ATEX certificate

### Measuring ranges

High pressure


Positive 0...1600 bar to 0... 8000 bar

### Applications

Process engineering,  
 plant engineering and construction,  
 Chemical and pharmaceutical industry

**Model: PEX15**

## Technical data

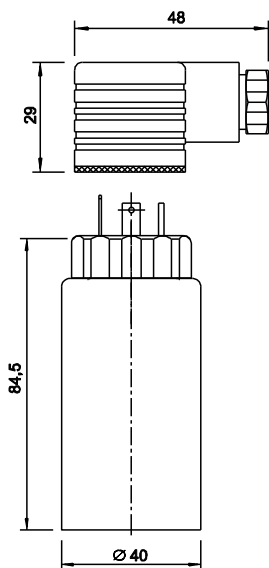
Model	PEX15	
Type	Standard with internal diaphragm	Field case with internal diaphragm
Pressure type	positive pressure	
Output signal	4...20 mA - 2-wire	
Accuracy % of F.S. <sup>1)</sup>	0,5 (option 0,25 BFSL)	
Measuring ranges acc. to EN	0 ... 1600 bar 0 ... 2500 bar 0 ... 4000 bar 0 ... 5000 bar 0 ... 6000 bar 0 ... 7000 bar 0 ... 8000 bar	
Repeatability	≤ ± 0,05 % of F.S.	
Stability (annual)	≤ ± 0,2 % of F.S. in rated conditions	
Case	stainless steel 1.4571	
Process connection	M16x1,5 female 9/16"-18UNF F250-C female M20 x 1,5 female	
Wetted parts	stainless steel	
Overload limit	≤ 5000 bar 1,2 x; > 5000 bar 1,1 x;	
Electr. connection and protection type acc. to EN 60 529/IEC529	Plug acc. to DIN EN 175301 - 803 A with cable outlet ( PG 9 ), IP 65 Option: Round connector 4-pin M12x1, IP 67 Cable outlet IP 67 with 1,5 m cable with inner ventilation	Field case with internal diaphragm IP68
Power supply	10 ... 30 VDC ( field case 11... 30 VDC )	
Power consumption	signal current	
Power PI	1W (750 mW with approval for Category 1D)	
Load standard	$R_A[\Omega] \leq (U_B[V]-10V)/0,02A - ( 0,14[\Omega] \times \text{cable length in [m] } )$	
Load field case	$R_A[\Omega] \leq (U_B[V]-11V)/0,02A$	
Test circuit signal	$R_A[\Omega] < 15 \text{ max. load}$	
Temperature comp. Range	0... 80 °C	
Temperature influence	≤ 0,2 % /10 K on zero and span	
Adjustability	Zero and span up to ± 10%	
Response time	≤ 1 ms (within 10 % to 90 % of. F.S.)	
Protection type	IP 65 acc. to EN 60 529/IEC 529	
CE-certification	89/336/EWG, interference emission and immunity see EN 61326, interference emission limit class A and B, ATEX EN 50014 (general part), EN 50 020 (intrinsic safety), EN 50 284 (Zone 0), EN 50303 (mining industry)	
HF immunity	10 V/m	
BURST	2 KV	
Electrical protection types	Protected against reverse polarity and short circuiting on the instrument side	
 Explosion proof protection type ATEX Temperature ranges - storage - media - ambient	EEx ia I / IIC T4-T6 (BVS 08 ATEX E 067 X) <sup>2)</sup> category 1/2G, 2G , M1, M2 -30 ... 105 °C -20... 80 °C <sup>3)</sup> -20 ... 80 °C <sup>3)</sup>	
Weight	ca. 0,3 kg	

of.F.S.= of Full Scale

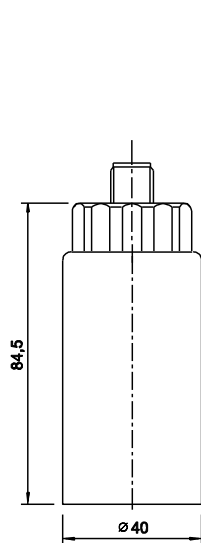
- 1) Terminal point adjustment acc. to IEC 61298-2, including non-linearity and hysteresis, zero point and full scale deviation
- 2) Application conditions and safety data see listing acc. to EC Type Test certificate (BVS 08 ATEX E 067 X)
- 3) Other temperature range, see listing acc. to EC Type Test certificate

## Dimensions (mm)

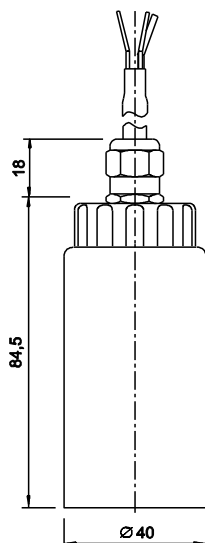
Plug DIN EN 175301-803 A  
IP65



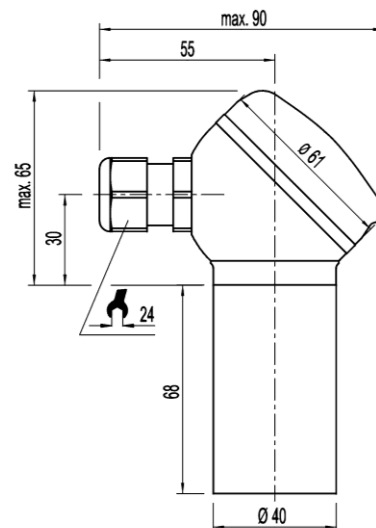
Round connector M12 x 1  
IP67



Cable outlet  
IP67

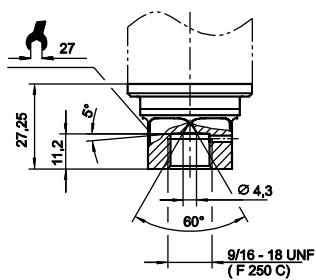


Field case  
IP68

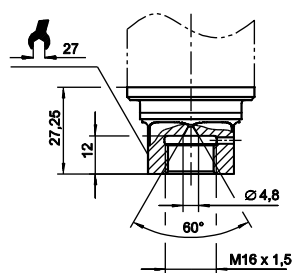


## Pressure connection

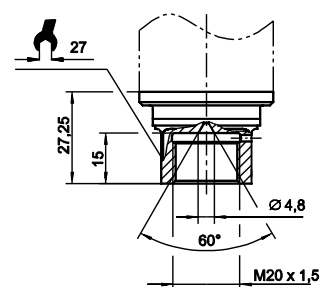
9/16 – 18 UNF



M16 x 1,5 female



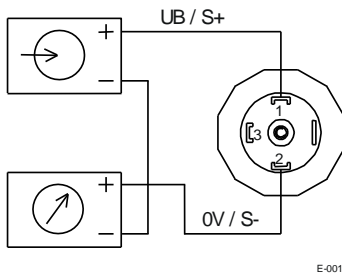
M20 x 1,5



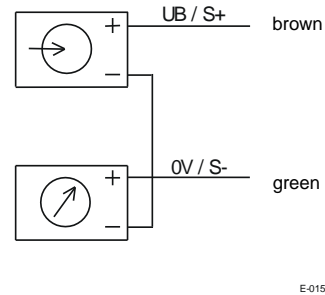
## Electrical connection

### 2-wire

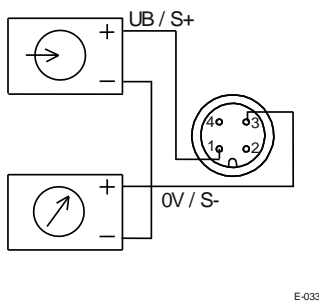
Plug DIN EN 175301-803 A



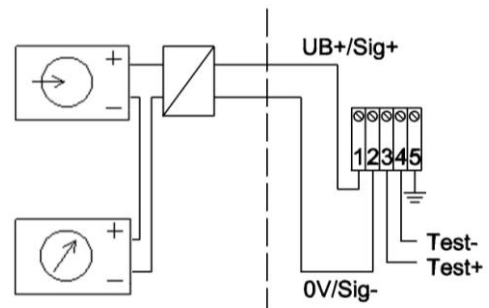
Cable outlet



4-pol. round connector M 12 x 1



Field case



## Ex-Zone (in comparison ATEX and CSA)

	Flammable material Present continuously	Flammable material Present intermittently	Flammable material Normally not present
<b>ATEX</b>	Zone 0	Zone 1	Zone 2
<b>CSA</b>	Zone 0	Zone 1	Zone 2
	Division 1		Division 2

		ATEX Group	CSA Class	Group
<b>Strip mining</b>	<b>Gases and vapours</b>	<b>IIA / IIB / IIC</b>	<b>I</b>	<b>A / B / C / D / E / F / G</b>
	<b>Dusts</b>		<b>II</b>	
	<b>Fibres</b>		<b>III</b>	
<b>Mining</b>	<b>Gas/Dusts</b>	<b>I</b>	<b>ID/IIF</b>	

## Other details

1. Model
2. Measuring range
3. Options
4. **Ex-Zone**

Modifications reserved



## Pressure sensors for explosion hazardous areas

Ex d II C T4 – T6 acc. to ATEX


with internal diaphragm

with front flush diaphragm

**Accuracy:** 0.5 % (0.25% BFSL)

**Standard output:** 4...20 mA; 2-wire system  
 1...5VDC; 3-wire system  
 0.5...4.5VDC; 3-wire system  
 0...10VDC; 3-wire system

### Description

The encapsulated explosion-proof pressure sensors are leading-edge products among -approved sensors.

The new pressure sensors with pressure-tight encapsulation have design approval according to ATEX II 2 G Ex d II C.

The measuring ranges stepped in line with the European standard extend from 0.4 bar up to the top pressure range of 1,000 bar. The housing and parts that come into contact with the measuring medium are made from stainless steel and are therefore resistant to chemically aggressive measuring substances. The pressure connection and measuring cell are welded together. This makes the measuring system exceptionally resistant to the influence of mechanical shock or vibrations.

Available as standard signal is a 4-20mA current loop in a 2-wire system. Optionally available are voltage outputs in a 3-wire system such as 1-5 V, 0-10 V or 0.5-4.5 V.

The pressure connection with type PEX 17 has a G ½ B external thread as standard. The front-flush version PEX18 avoids dead space in which measuring medium can crystallize out or form residue.

These industrial heavy duty pressure sensors conform to the electromagnetic compatibility requirements (EMC) of EN 61326.



### Features

- ATEX approved II 2G Ex d II C
- For dynamic and static measurements
- High long-term stability
- High overload protection
- Finely graded selection of nominal pressure ranges according to EN
- Corrosion resistant stainless steel design
- Good repeatability

### Measuring ranges

Gauge pressure

Negative	-1...0 bar	to	-0.4...0 bar
Positive	0...0.4 bar	to	0... 1,000 bar
Absolute pressure	0...0.4 bar	to	0... 16 bar

### Applications

Gas pressure measurement  
 Oil drilling platforms / pipelines  
 Refineries / Petrochemical industry  
 Borehole monitoring

**Model: PEX17, PEX18**

## Technical data

Model	PEX17	PEX18
Type	Standard with internal diaphragm	Standard with front flush diaphragm
Pressure type	negative / positive / <sub>2</sub> high pressure absolute pressure	
Output signal	4...20 mA 2-wire system 1...5VDC Low Power, 3-wire system 0...10 VDC 3-wire system 0.5...4.5VDC Low Power, 3-wire system	
Accuracy % of F.S. <sup>1)</sup>	0.5 (option 0.25 BFSL)	
Measuring ranges acc. to EN	0 ... 0.4 bar to 0 ... 1,000 bar	0 ... 0.4 bar to 0 ... 600 bar
Non-Repeatability	≤ ± 0.1 % of F.S.	
Stability (annual)	≤ ± 0.2 % of F.S. in rated conditions	
Case	stainless steel	
Process connection	G ½ B acc. EN 837 G ¼ B ½ NPT ¼ NPT	≤ 0...1.6 bar G 1 B; ≥2.5 bar G 1/2 B
Wetted parts	stainless steel >25 bar Elgiloy®	stainless steel O-Ring NBR
O-ring		Option FPM, EPDM
Overload limit	≤ 16 bar 3.5-fold; ≤ 600 bar 2-fold; > 600 bar 1.5-fold; vacuum proof	
Electr. connection and protection type acc. to EN 60 529/IEC529	Conduit IP 67 with 6ft cable	
Power supply	10 ... 30 VDC with signal output 4...20 mA, 2-wire 6 ... 30 VDC with signal output 1...5 VDC, 3-wire 14 ... 30 VDC with signal output 0...10 VDC, 3-wire 5 ... 30 VDC with signal output 0.5...4.5 VDC, 3-wire	
Power consumption	4...20 mA 2-wire, signal current	
Load standard	4...20 mA 2-wire system $R_A[\Omega] \leq (U_B[V]-10V)/0.02A$ 1...5 VDC 3-wire system $R_A[\Omega] > 10k$ 0...10 VDC 3-wire system $R_A[\Omega] > 10k$ 0.5...4.5 VDC 3-wire system $R_A[\Omega] > 5k$	
Temperature comp. Range	0... 80 °C	
Temperature influence <sup>4)</sup>	≤ 0.2 % /10 K on zero and span	
Response time	≤ 1 ms (within 10 % to 90 % of F.S.), ≤ 10 ms at medium temperatures below -30°C for pressure ranges up to 25 bar or with flush diaphragm	
Protection type	IP 67 acc. to EN 60 529/IEC 529	
CE-certification	89/336/EEC emission (class B) and immunity according to EN 61326 Pressure equipment directive 97/23EC Directive ATEX 94/9/EC	
HF immunity	10 V/m	
Burst	4 KV	
Wiring protection	Sig+ towards UB- UB+ towards UB-	
Explosion proof protection type ATEX	EX d II c T4-T6 <sup>3)</sup>	
Temperature ranges		
- storage	-30 ... 105 °C (-40 ... 105°C optional)	
- media	-30 ... 100 °C (-40 ... 105°C optional)	
- ambient	-30 ... 100 °C (-40 ... 105°C optional)	
Weight	ca. 0.2 kg	

of.F.S.= of Full Scale

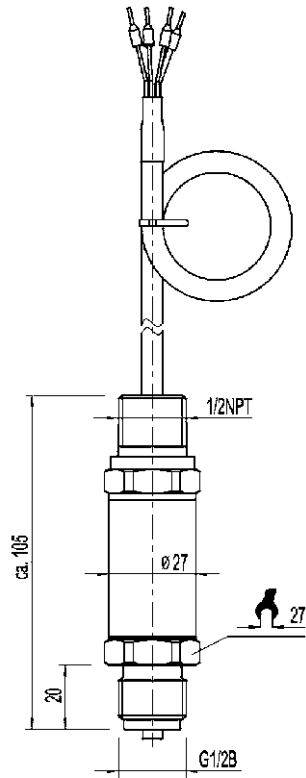
<sup>1)</sup> Terminal point adjustment according to IEC 61298-2, including non-linearity and hysteresis, zero point and full scale deviation

<sup>2)</sup> Absolute pressure from 0,4 bar to 16 bar

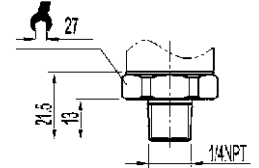
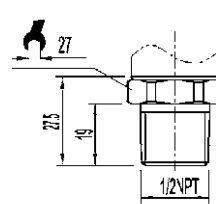
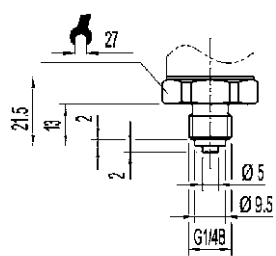
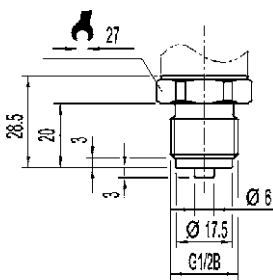
<sup>3)</sup> Application conditions and safety data see listing acc. to EC Type Test certificate (KEMA 10ATEX0099 X)

# Dimensions (mm)

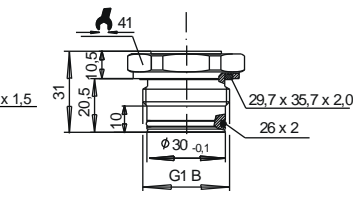
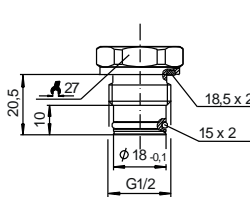
## Case



### Pressure connection internal diaphragm



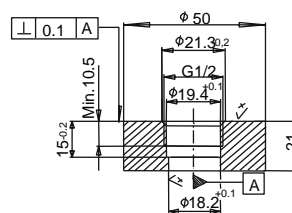
### Pressure connection front flush diaphragm



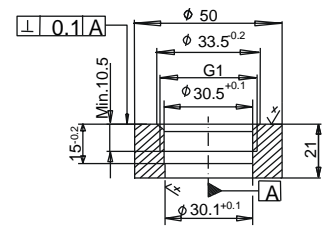
A-016

A-012

### Weld-on adapter front flush diaphragm



S-002

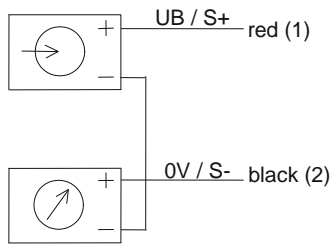


S-004

# Electrical connection

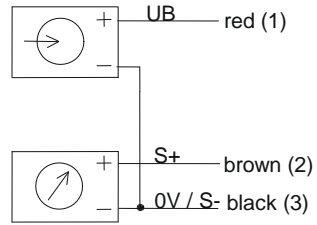
## Two-wire system

Cable outlet



## Three-wire system

Cable outlet



## - Pressure Sensors EEx ia I / IIC T6

### according to ATEX


with internal diaphragm for submersible pressure measurement

accuracy 0.25% and 0.5 %

standard output: 4...20 mA; 2-wire system



### Description

-pressure sensors Industrial Heavy Duty are top of the range products in Ex-pressure gauge technology.

The intrinsically safe Ex-pressure sensors are designed for zone 0 and have special type approval for use in potentially explosive atmospheres and a CENELEC certificate according to the new ATEX.

Due to the systematic use of high-grade stainless steel for the wetted parts, this sensor is suitable for aggressive media. For measuring tasks in aggressive media a special version with PTFE cable can be obtained.

A hermetically sealed stainless steel case allows the pressure sensor to be immersed down to a depth of 300 m.

The inner vented connection cable makes pressure compensation of the measuring cell against the atmosphere possible and thus hydrostatic pressure measurement.

The mechanical fastening of the pressure sensor does not require any additional strain relief, as the construction of the cable is suitable to take a maximum tensile force of 1000 N. An additional weight can be screw-fitted to increase the actual weight of the sensor.

The pressure sensors special meet the electronic magnetic compatibility (EMC) requirements to EN 61326.

### Features

- intrinsically safe, zone 0
- finely graded selection of nominal pressure ranges according to EN
- high long-term stability
- high accuracy
- corrosion resistant stainless steel design
- good repeatability
- high overload protection
- for dynamic and static measurements
- simple installation
- CENELEC-certificate acc. to ATEX

### Measuring ranges

gauge pressure

positive            0...0.1 bar    to    0...25 bar

### Applications

Level measurement in explosive atmosphere

**Model: E130., E131.**

## Technical data

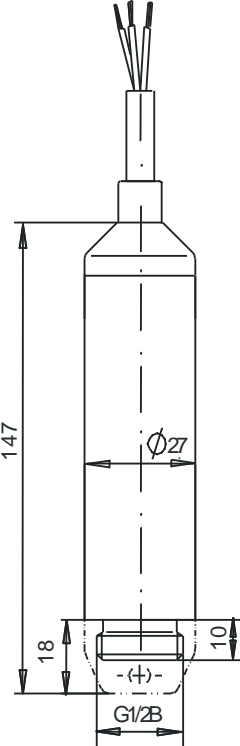
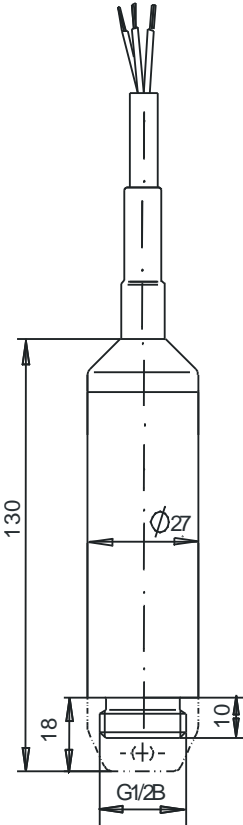
Model	E130.	E131.
Pressure type	positive gauge pressure	
Output signal	4...20 mA - 2-wire system	
Accuracy % of F.S. <sup>1)</sup>	0.5	0.25
Measuring ranges acc. to EN	0 ... 0.1 bar to 0 ... 25 bar	0 ... 0.25 bar to 0 ... 25 bar
Repeatability	≤ ± 0.05 % of F.S.	
Stability (annual)	≤ ± 0.2 % of F.S. in rated conditions	
Pressure connection	G ½ B with protection cap	
Wetted parts		
- case	stainless steel 1.4571	
- diaphr. + pressure connect.	stainless steel 1.4571	
- protection cap	stainless steel 1.4571	
- cable	PUR (option: PTFE up to 10 bar)	
- shrink hose	Polyolefin (not for PTFE cable)	
Over load limit	≤ 1.6 bar 5-fold; >1.6 bar 3.2-fold	
Electrical connection	cable with inner ventilation, tensile strength max. 1000 N	
Protection type	IP 68 according to EN 60 529/IEC529 (depth up to 300 m)	
Power supply	10 ...30 VDC	
Power consumption	signal current	
Load	$R_A[\Omega] < (U_B[V] - 10 V) / 0.02 A - (0.14 \Omega \times \text{cable length in m})$	
Temperature comp. range	0...50 °C	
Temperature influence <sup>2)</sup>	≤ 0.2 % /10 K on zero and span	
Response time	≤ 1 ms (within 10 % to 90 % of F.S.)	
Emission <sup>3)</sup>	according to EN 61326	
Interference <sup>3)</sup>	according to EN 61326	
HF immunity	10 V/m (option: 30 V/m)	
Burst	4 KV	
Electrical protection types	Reverse polarity protection	
⊕ Explosion proof protection type	EEx ia I / IIC T6 (DMT 02 ATEX E 114 X)	
max. values	DMT	
- power supply	<30 VDC	
- short circuit current	100 mA	
- power restriction <sup>4)</sup>	1 W	
- media temperature	-10 ... 60 °C	
- ambient temperature	-10 ... 60 °C	
- storage temperature	-10 ... 60 °C	
- internal capacity	≤ 22 nF + 0.2 per m cable	
- internal inductivity	≤ 100µH + 2 per m cable	
Weight		
- sensor	0.20 kg	
- cable	0.08 kg per m cable	
- additional weight	0.50 kg	

of F.S. = of full scale value

- 1) Terminal point adjustment according to DIN 16 086, including linearity and hysteresis
- 2) ≤ 0.4 % /10 K for measuring ranges 0...0.1 and 0...0.16 bar
- 3) Declaration of conformity on request
- 4) Power limitation for supply transformers

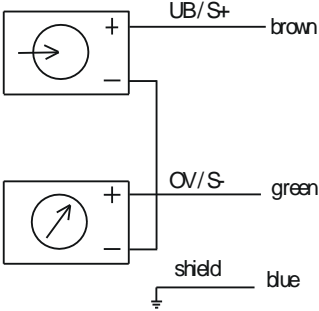
**Dimensions (mm)**

Option: PTFE cable



**Electrical connection**

**Two-wire system**

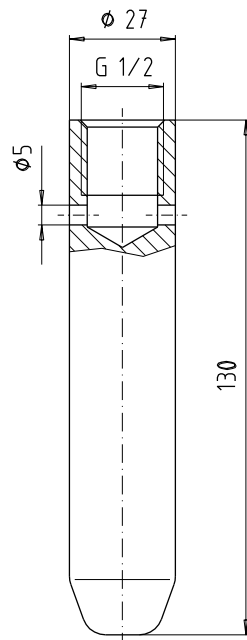


E-024

## Accessories

To increase the actual weight of the sensor an additional weight can be screw-fitted.

**Article-no. AZM51X001001**



### Order details:

1. Model
2. Measuring range
3. Options
4. Cable length
5. Ex-zone