LIMIT AFRICA
....A Projects Company
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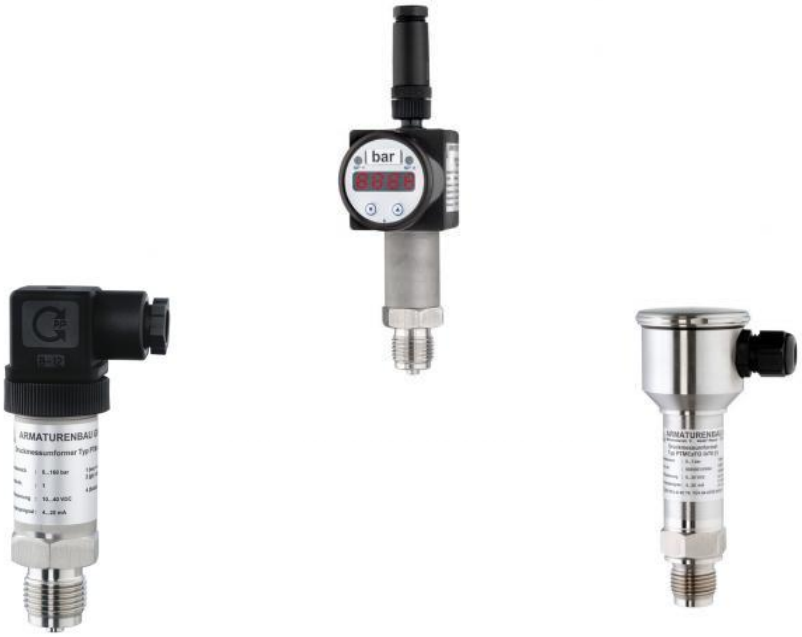
Model Overview



Pressure transmitters / Digital displays

Pressure transmitters, analogue output signal

model	CTMd
accuracy	better than ± 1.0%
measuring cell / sensor	ceramic measuring cell / wire resistance strain gauge (DMS), placed inside
sensor sealing	FPM (Viton®)
output signals	4-20 mA 0-20 mA 0-10 V DC
measuring ranges	overpressure 0-1 bar to 0-400 bar
installation length	standard
process connection	G ½ B made of 1.4305 (stainless steel)

Standard installation length

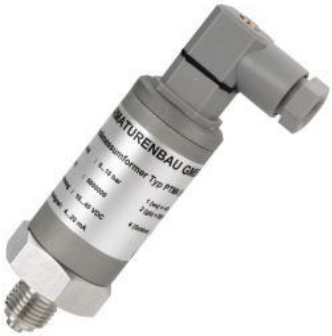
model	DTM
accuracy	better than ± 0.5 %
special equipment	measuring cell welded
measuring cell / sensor	thin film sensor, diaphragm made 1.4548 (stainless steel), welded, placed inside
output signals	4-20 mA 0-20 mA 0-10 V DC
measuring ranges	overpressure 0-10 bar to 0-2500 bar
installation length	standard
process connection	up to 1000 bar: G ¼ B made of 1.4542 (stainless steel), 1600 bar and above: high pressure connection M 16x1.5 female, made of 1.4548

model	PTM
accuracy	better than ± 0.5 %
measuring cell / sensor	piezoresistive sensor, diaphragm made of 1.4435 (stainless steel), placed inside
sensor sealing	FPM (Viton®)
output signals	4-20 mA 0-20 mA 0-10 V DC
measuring ranges	overpressure or absolute pressure 0-100 mbar to 0-1000 bar
installation length	standard
process connection	G ½ B made of stainless steel

model	PTMv
accuracy	better than ± 0.5 %
special equipment	measuring cell welded
measuring cell / sensor	piezoresistive sensor, diaphragm made of 1.4435 (stainless steel), placed inside
output signals	4-20 mA 0-20 mA 0-10 VDC
measuring ranges	overpressure or absolute pressure 0-400 mbar to 0-100 bar
installation length	standard
process connection	G ½ B made of stainless steel

Compact installation length

model	DTMk
accuracy	better than ± 0.5 %
special equipment	measuring cell welded
measuring cell / sensor	thin film sensor, diaphragm made of 1.4548 (stainless steel), welded, placed inside
output signals	4-20 mA 0-20 mA 0-10 V DC
measuring ranges	overpressure or absolute pressure 0-10 bar to 0-1000 bar
installation length	compact
process connection	G ¼ B made of 1.4542 (stainless steel)



model	PTMk
accuracy	better than ± 0.5 %
measuring cell / sensor	piezoresistive sensor, diaphragm 1.4435 (stainless steel), placed inside
sensor sealing	FPM (Viton®)
output signals	4-20 mA
measuring ranges	overpressure or absolute pressure 0-100 mbar to 0-1000 bar
installation length	compact
process connection	G ¼ B made of 1.4571 (stainless steel)

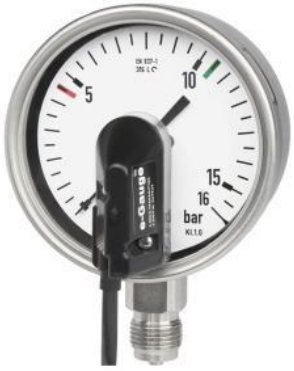
Flush welded membrane

model	DTMFB
accuracy	better than ± 0.5 %
special equipment	measuring cell welded, upstreamed integrated chemical seal unit with diaphragm flush welded made of 1.4435 (stainless steel), filling fluid white oil FN2
measuring cell / sensor	thin film sensor, diaphragm made of 1.4548 (stainless steel), welded, placed inside
output signals	4-20 mA 0-20 mA 0-10 VDC
measuring ranges	overpressure 0-10 bar to 0-1000 bar
installation length	standard
process connection	G ¼ B or G ½ B according to DIN 3852 Form E, made of 1.4542 (stainless steel), with sealing made of NBR

model	CTMc
accuracy	better than ± 0.2 %
measuring cell / sensor	ceramic measuring cell capacitive, aluminum oxide, placed inside
sensor sealing	4-20 mA 0-10 VDC
output signals	FPM (Viton®)
measuring ranges	overpressure 0-40 mbar to 0-60 bar absolute pressure 0-0.6 bar to 0-60 bar
installation length	standard
process connection	G ½ B made of 1.4404 (stainless steel)

Special

case	CrNi-Stahl
ring	Bajonettring, CrNi-Stahl
model / case filling	RSCh / without case filling, RSChOe / with case filling oil
special equipment	DMU with integrated pressure transmitter, output signal 4-20 mA, 0-20 mA or 0-10 VDC
accuracy class / nominal case size	1.0 NCS 100, 160 (4", 6")
wetted material	– 3 stainless steel
pressure ranges	0-0.6 bar to 0-1600 bar



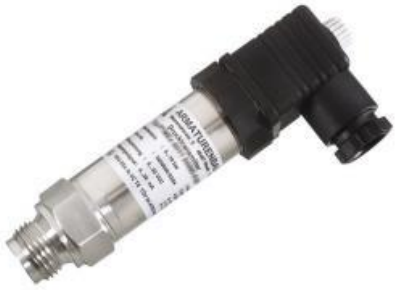
case	CrNi-Stahl
ring	bayonet ring stainless steel
model / case filling	RCh / without case filling RChG / with case filling
special equipment	with e-Gauge® 2 switching outputs NPN output signal 4-20 mA
accuracy class / nominal case size	1,0 NCS 100 (4")
wetted material	– 1 copper alloy – 3 stainless steel – 6 monel
pressure ranges	0-0.6 bar to 0-1600 bar (0-10 to 0-20000 psi)

Pressure transmitters with ATEX-approval

model	PTMEx
accuracy	better than ± 0.2 %
special equipment	measuring cell welded
measuring cell / sensor	piezoresistive sensor, diaphragm made of 1.4404 (stainless steel), welded, placed inside
output signals	4-20 mA 0-20 mA
measuring range	overpressure 0-1 bar to 0-160 bar absolute pressure 0-1 bar to 0-25 bar
case	standard
process connection	G ½ B made of 1.4404 (stainless steel)
Ex-protection	according to ATEX: II 2 G EEx ib IIC T6 CE-Type Examination Certificate: TÜV 04 ATEX 2432 X

model	PTMExFG
accuracy	better than ± 0.2 %
special equipment	measuring cell welded, field housing
measuring cell / sensor	piezoresistive sensor, diaphragm made of 1.4404 (stainless steel), welded, placed inside
output signals	4-20 mA 0-20 mA
measuring range	Overpressure 0-1 bar to 0-160 bar Absolute pressure 0-1 bar to 0-25 bar
process connection	G ½ B made of 1.4404 (stainless steel)
Ex-protection	according to ATEX: II 2 G EEx ib IIC T6 EG-Type examination certificate: TÜV 04 ATEX 2432 X

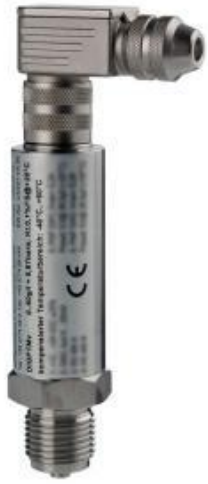
Pressure transmitters with ATEX-approval



model	PTMExFB
accuracy	better than ± 0.2 %
special equipment	measuring cell welded, upstreamed integrated chemical seal unit with diaphragm flush welded made of 1.4435 (stainless steel), filling fluid FDA-tested oil
measuring cell / sensor	piezoresistive sensor
output signals	4-20 mA 0-20 mA
measuring range	overpressure 0-100 mbar to 0-100 bar absolute pressure 0-1.6 bar to 0-25 bar
case	standard
process connection	made of 1.4404 (stainless steel) with sealing ring NBR, measuring span < 1 bar: G 1 B with o-ring NBR measuring spans > 1.6 bar: G ½ B according to DIN 3852 form A
Ex-protection	according to ATEX: II 2 G EEx ib IIC T6 EG-Type examination certificate: TÜV 04 ATEX 2432 X

model	PTMExFBFG
accuracy	better than ± 0.2 %
special equipment	upstreamed integrated chemical seal unit with diaphragm flush welded made of stainless steel 1.4435, filling fluid FDA-tested oil, field housing
measuring cell / sensor	piezoresistive sensor
output signals	4-20 mA 0-20 mA
measuring range	overpressure 0-100 mbar to 0-400 bar absolut pressure 0-1 bar to 0-25 bar
process connection	made of 1.4404 (stainless steel) with sealing ring NBR, measuring span < 1 bar: G 1 B with o-ring NBR measuring spans > 1.6 bar: G ½ B according to DIN 3852 form A
Ex-protection	according to ATEX: II 2 G EEx ib IIC T6 EG-Type examination certificate: TÜV 04 ATEX 2432 X

Pressure transmitter, digital output signal



model	DIGPTMv
accuracy	better than ± 0.08 %
special equipment	Diaphragm made of 1.4435 (stainless steel), welded, placed inside, 2 freely programmable switching outputs
measuring cell / sensor	piezoresistive sensor, diaphragm made of 1.4435, welded, placed inside
output signals	4-20 mA, RS 485
measuring range	0-4 bar to 0-100 bar
case	stainless steel
process connection	G ½ B made of stainless steel

Pressure transmitter, digital output signal

model	DIGPTMvSF6
accuracy	better than ± 0.05 %
special equipment	SF6-Gas density transmitter, diaphragm made of 1.4435 (stainless steel), welded, placed inside, 2 freely programmable switching outputs
measuring cell / sensor	piezoresistive sensor, diaphragm made of 1.4435, welded, placed inside
output signals	4-20 mA
measuring range	0..60 g/l gas density SF6 for +20°C 0..10 bar abs. gas density SF6 for +20°C
case	stainless steel
process connection	G ½ B made of stainless steel

For SF6 gas density measurements and monitoring of leakages in the field of high- and medium voltage installations (GIS) at closed SF6-vessels for indoor- and outdoor installations.

Digital displays

model	DAS
accuracy	± 0.1% ± 1 digit
installation	mounted ex works and aligned
display	LED, 4-digit, turnable
switching output	2 independent PNP-outputs, max. 125 mA

model	DASA
accuracy	± 0.1% ± 1 digit
installation	attachable subsequently
display	LED, 4-digit, turnable
switching output	1 PNP-output, max. 125 mA

model	DPM...
accuracy	± 0.1% ± 1 digit
installation	Installation case 96 x 48 mm
inlet	Co-current flow signals PT 100 potentiometer
display	LED, 4-digit, programmable
auxiliary voltage	230 V AC, 50/60 Hz
sensor supply	approx. 20 V DC, max. 30 mA

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