

PRESSURE GAUGE WITH TRANSMITTER TRANSPRESS 200



The TRANSPRESS 200 is a standard pressure gauge fitted with a 4-20mA output transmitter for remote as well as instrument pressure monitoring.



TECHNICAL CHARACTERISTICS FOR GAUGE

Diameters: 100-150mm
Case and ring: st. st. 304, bayonet type ring
Protection degree: IP55/IP65 (EN60529/IEC529)
Transparent: glass, thickness 4mm, gasket in neoprene
Movement: st. st., reinforced
Dial: aluminium with black numerals on white background
Pointer: Aluminium, black painted, micrometric adjustable
Blow out: neoprene, upper
Sensing element: Bourdon tube type, with "C" form for pressure ≤ 60 bar, helical wound for pressure ≥ 60 bar
Element material: AISI 316L, MONEL 400
Socket material: AISI 316L, MONEL 400
Welding: T.I.G.
Connection dimension: 1/2"NPTM or BSP/M (1/4" for DN63)
Mounting:
 type A bottom connection, direct mounting
Ranges: see table at page 2
Overpressure: +30% F.S. for range up to 60bar
 +15% F.S. for ranges from 100 to 600bar
 +10% F.S. for ranges from 1000bar
Accuracy: class 1, acc. to EN837 (class 1,6 for DN63) at 20°C
Ambient temperature limit: -40/+60°C
Fluid temperature limit:
 -30/+120°C element in AISI316L
Temperature error: 0,035%/°C in range 0/60°C

TECHNICAL CHARACTERISTICS TRANSMITTER

Pressure range: 0.5 bar to 1500bar
Over pressure: 2 x Rated Pressure
Span: 4-20mA
Type: 2 Wire
Combined non-linearity/hysteresis: $< \pm 0.25\%$ F.S.O
Repeatability: $< \pm 0.1\%$ F.S.O
Long term stability: $< \pm 0.2\%$ F.S.O
Supply voltage: 13-36Vdc
Reverse polarity: Protected
Load driving capability: 1150Ω @ 36 Vdc
Pressure media: Materials compatible with Titanium
Media temperature: -50 to -120°C
Ambient temperature: -40 to +80°C
Temperature effect zero: $< \pm 0.03\%$ °C
Temperature effect span: $< \pm 0.03\%$ °C
Humidity: 0-95%RH
Enclosure connection: DIN Plug to DIN 43650
Enclosure rating: IP54

OPTIONS AND ACCESSORIES

- Overpressure 100% A.C.
- Accuracy 0,5%
- Case st. st. 316
- Acrylic window with max value pointer settable from front
- Safety glass
- Glycerine filling for T.amb. -25/+60°C
- Silicon oil filling for T.amb. -40/+60°C
- Filling with fluorinated oil suitable for use on Oxygen and for ambient temperature -60/60°C
- Mounting with diaphragm seal

HOW TO ORDER

Please specify: model, dial size, range, connection, options if any

Example: TR200, 100mm, 0/10bar, 1/2"BSPM

RANGES

Pressure																	
Bar	0/0,6	0/1	0/1,6	0/2,5	0/4	0/6	0/10	0/16	0/25	0/40	0/60	0/100	0/160	0/250	0/315	0/400	0/600
psi		0/15	0/30	0/60	0/100	1/160	0/200	0/300	0/400	0/600	0/800	0/1000	0/1500	0/2000	0/5000	0/6000	0/10000
	0/1000	0/1600															
	0/15000	0/20000															

Available on request double scale : bar/psi – bar/kPa – psi/kg/cm² – kPa/psi

Electrical Connection

PIN No.	2 wire
1	+ supply
2	4-20mA
3	not fitted
↓	to case

