

Pressure transmitter for high pressure series ETX.445

St. steel housing & wetted part
with thin-film technology

General features

- Measuring range 0...250 bar to 0...1000 bar
- Temperature range of media -40°C to 125°C
- Shock and vibration resistance >1000g shock, >20g vibration
- No internal transmission media
- Protection class IP65
- Compact and rugged model in stainless steel

Application area

- Generally to be used in industrial applications
- Hydraulics
- Pneumatics
- Engineering
- Industrial Equipment and Automation technology

General specification

Pressure ranges

	(unit : bar)			
Measuring	250	400	600	1000
Overload	750	750	840	1200
Burst	1000	1000	1050	1500

Accuracy

% of the range ≤0.50

BSFL ≤0.125

incl nonlinearity hysteresis repeatability zero offset and final offset (acc. To IEC 62198-2)

Non-linearity % of the range ≤0.15

Repeatability % of the range ≤0.10

Stability/year % of the range ≤0.10

Electrical parameter

Output signal 4...20mA (2-wire)

Us[VDC] 9...32 VDC

RA[Ω] acc. To RA = (Us - 10V) / 0.02A

Response time (10...90%) t [ms] <1

Withstand voltage U [VDC] 350



Pressure transmitter series ETX.445

Mechanical parameter

Wetted parts St. steel

Housing St. steel

Shock resistance g 1000
acc to IEC 68*2*32

Vibration resistance g 20
acc to IEC 68-2-6 and 68-2-36

Mass m[g] 120

CE-conformity EC directive 89/336/EWG

Acceptable temperature ranges

Measuring media -40...125 °C

Ambience -40...105 °C

Storage -40...125 °C

Compensated range -20...85 °C

Temp. coefficient within the compensated range

Mean TC offset % of the range ≤0.15 / 10K

Mean TC range % of the range ≤0.15 / 10K

Total error % of the range 40°C 2.00%

% of the range 105°C 2.00%

Ordering Information

Model code

ETX.445



Output signal

O1 : 4...20mA, 2-wire system

Electrical connection

D : DIN 43650 C, mPm plug

Option

Refer to option table

Pressure range

Refer to pressure range table

Pressure connection

G4 : G1/4" (PF1/4")

Pressure range code, unit bar

Code	Range
R47	0...250 bar
R50	0...400 bar
R53	0...600 bar
R55	0...1000 bar

Option code

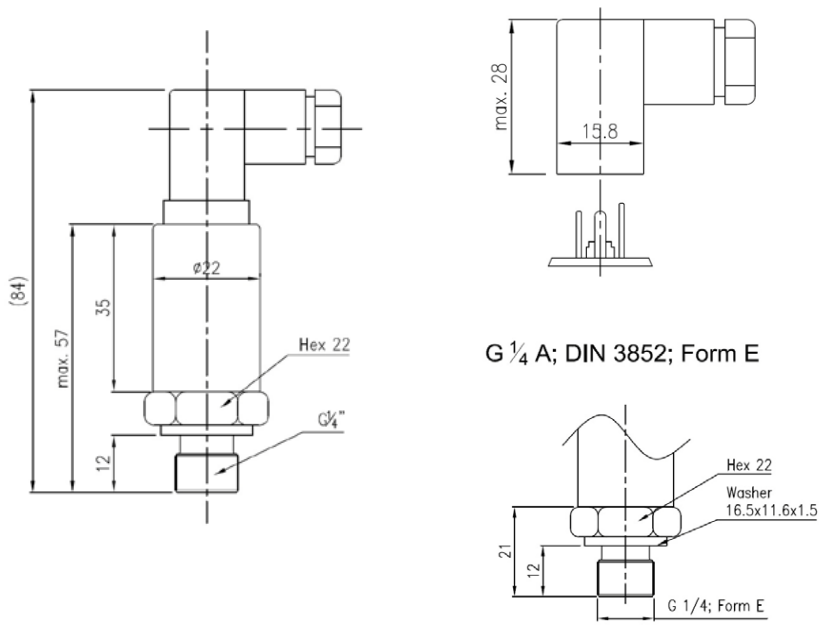
Code	Description	Code	Description
CD2	Cooling device up to 200 °C	DMCC	Manufacture calibration certificate
CD3	Cooling device up to 300 °C	KC	KOLAS Ilac-MRA calibration certificate
TP	St. stell tag plate, 60 x 20 x 0.5t		

How to Order

ETX.445.O1DG4R47

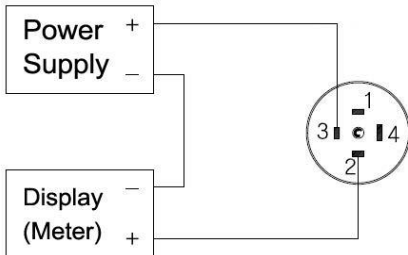
ETX.445, ±0.5%FS, 4...20mA, DIN 43650 A, G 1/4", 0...250 bar

Outline drawing



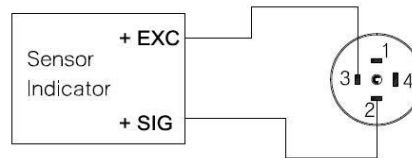
Process connection

MVS/C
DIN EN 175301-803



[Wiring 1(2-wire)]
When the application of power supply and display device are separating.

MVS/C
DIN EN 175301-803



[Wiring 2(2-wire)]
When using the sensor indicator.