Transmitter / Indicator Type „Digipress“

With pressure transmitter for gas and liquids

4...20 mA Pressure Transmitter with integrated LCD type indicator that is supplied by the current loop. The Digipress replaces two Instruments with one. It is a Transmitter and indicator at the same time. Whenever you need a local indication and a remote processing you can use the Digipress without additional process opening. As a pressure sensor the instrument uses a membrane with a poly-silicon strain gauge. The small dimension of the element leads to very good results in pulsing measuring media's. Due to the elasticity of the Silicon the instrument has a very good repetition accuracy and Hysteresis and a high overload capability of 4 times the Measurement range (maximum 600 bar).

Measuring Ranges : from 0...1 bar up to 0...400 bar
see next page

Overload Ratings : 4 × Meausrement Range
max. Pressure 600 bar
(static overload)
Error due to overload
≤ 0,1 % FSO

Accuracy : Non-Linearity and Hysteresis :
≤ ± 0,6 %FSO
Max. unadjusted error (Offset / Span)
≤ ± 0,4 %FSO
Power supply rejection :
≤ 0,016 %FSO / V
Thermal effects on offset :
Typ. 0,2 %FSO / 10K • Max. 0,5 %FSO / 10K
Thermal effects on span :
Typ. 0,2 %FSO / 10K • Max. 0,4 %FSO / 10K
Error due to fixing : < 0,1 %FSO

Illustration : Type with Manometer Thread

Process - connection : G½"A or M20 × 1,5 male thread
according to DIN 16 288 Type B
Gasket Type B acc. to DIN 16 258
Material membrane :
1.4435 (X2CrNiMo 1812)
Material thread :
1.4301 (X5 CrNi 189)
Membrane filling : Silicon-Oil

Media: Gas or liquids • Temperature
maximum ratings : -25...+70 °C

Display: 3½ dgt. LCD-Display -1999...+1999 points

Output : Standard Signal 4...20 mA

Load : 600 Ω bei 24 V supply voltage

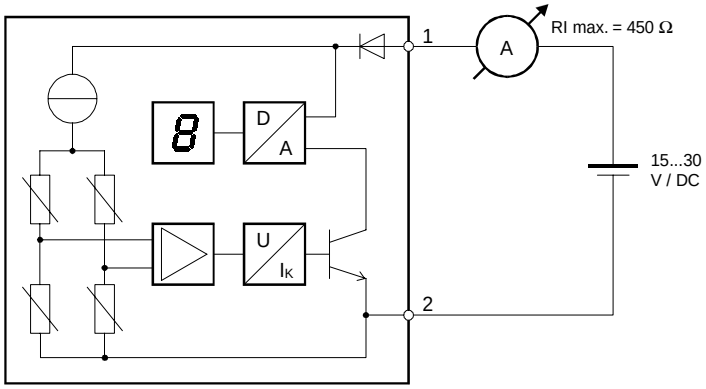
Response time : ca. 2 ms witout mech. Damping
ca. 5 ms with mech. Damping

Supply : 9...30 V/DC

Case: Case sealed with bajonet ring
Ø 100 mm; Protection class IP 65
Case material :
Stainless steel 1.4301

Typical Applications : Industry, plant construction

Shematic diagram :



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Datasheet 61.1

Digital - Indicator

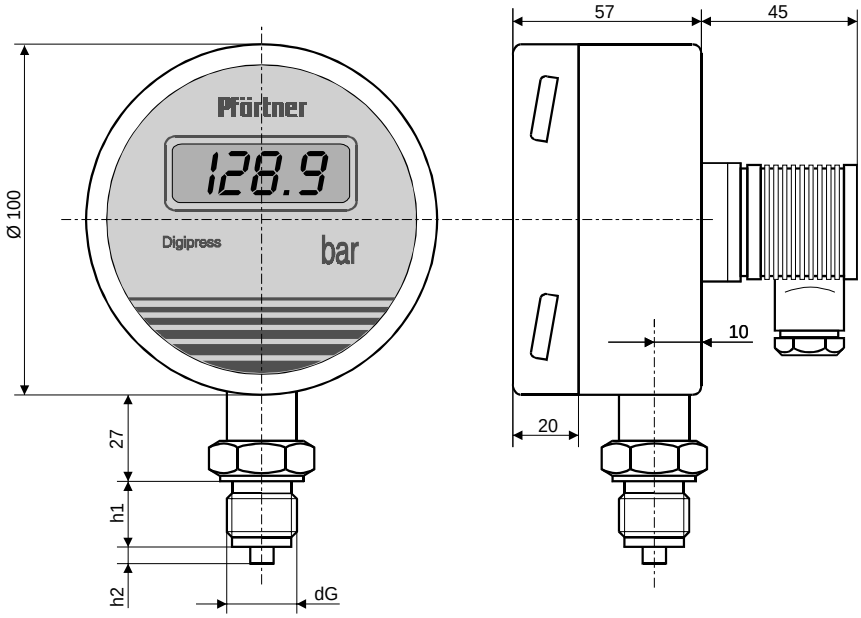
Transmitter / Indicator Type „Digipress“

With pressure transmitter for gas and liquids

Types	
Ordercode	**E**
with manometer thread	1
with flush diaphragm	0

Standard Measuring Ranges		
Ordercode		**F G**
0 ... 1,0	bar	2 0
0 ... 1,6	bar	2 1
0 ... 2,5	bar	2 2
0 ... 4	bar	2 3
Following ranges can be delivered with an additional Damping device :		
0 ... 6	bar	2 4
0 ... 10	bar	2 5
0 ... 16	bar	2 6
0 ... 25	bar	2 7
0 ... 40	bar	2 8
0 ... 60	bar	2 9
0 ... 100	bar	3 0
0 ... 160	bar	3 1
0 ... 250	bar	3 2
0 ... 320	bar	3 3
0 ... 400	bar	3 4
Special Ranges		9 9
Define special measurement ranges in clear text - see bottom		

Process connection	
Ordercode	**H I**
M 20 × 1,5	0 8
M 20 × 1,5 with damping	0 9
G ½ " A	1 0
G ½ " A with damping	1 1

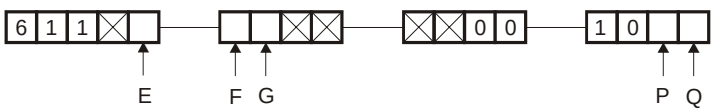


Type	h 1	h 2
With Manometer Thread :	20	5
With flush Diaphragm	23	

Ordering key :

For ordering please fill out all empty digits of the ordering key.

The codes for the ordering key you will find in the charts above.



Please define in clear text :

Special Range (Minimum Span = 1 bar)

from ..... up to ..... Unit : ❑ bar ❑ Pascal ❑ PSI ❑ other : .....

Speciality : .....

.....

.....

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