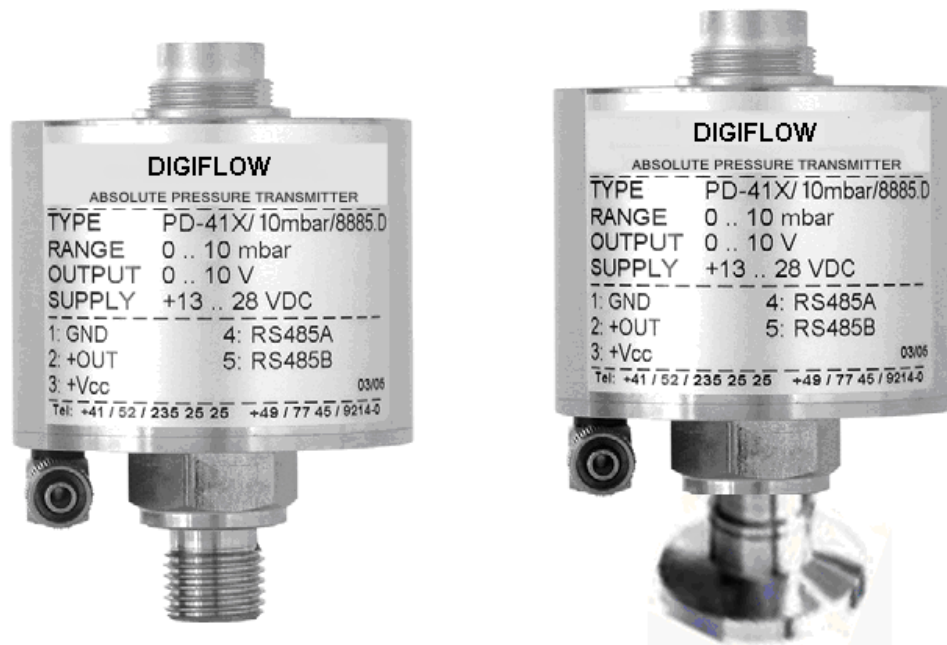


PRESSÃO ABSOLUTA MODELO PD-41X



Pressure Ranges	10 mbar / 30 mbar / 100 mbar / 300 mbar
Output	4...20 mA 0...10 V
Error Band (10...50°C)	0,1 %FS typ. / 0,2 %FS max.
Operating Temperature	-20...80°C
Comp. Temp. Range	10...50°C

Capacitive Transmitter Series 41 X / 41 X Ei

From 1 mbar Full Range / Resolution 1 µbar

The Series 41 X combines the ceramic measurement cell for low pressure ranges with the µP-electronics of the digital Series 30 transmitter. The pressure values from the signals of the pressure and temperature sensors are determined by polynomial compensation. The values can be displayed and stored on a PC via an RS485 interface and programming can also be carried out.

This pressure transmitter is also available as intrinsically safe version (Series 41 X Ei). It is used in explosion exposed areas, where the categories 1 and 2 are required.

Electrical Connections

Output	Function	Binder 723	DIN 43650	MIL C-264882	Lumberg M12	Cable
4...20 mA	OUT/GND	1	1	C	1	white
2 Wire	+ Vcc	3	3	A	3	black
0...10 V	GND	1	1	C	1	White
3 Wire	OUT	2	2	A	2	red
	+ Vcc	3	3	B	3	black
Digital	RS485A	4		D	4	blue
	RS485B	5		F	5	yellow

Specifications

Standard FS Pressure Ranges

PR-41 X (relative) PD-41 X (diff.) 10 30 100 300 mbar
 Overpressure 200 300 1000 1500 mbar
 Neg. Overpressure 10 30 100 300 mbar

2-Wire 3-Wire

Supply (U) 41 X 8...28 VDC 13...28 VDC

Supply (U) 41 X Ei 10...28 VDC 15...28 VDC

Pressure Connection G1/4" male, NW16

Electrical Connection Binder Series 723 (5 pole)

Material in Contact with Media Stainless (AISI 316L)

Nitril O-ring, gold-coated ceramic diaphragm

PD-Reference side Non-aggressive dry gases
 Protection / Weight IP 40 / ca. 190 g

Analog Output (scaleable) 4...20 mA 0...10 V
 Load (Ω) < (U-8V)/0,02 A > 5K

Stability FS \geq 100 mbar: \pm 0,1 %FS FS \leq 100 mbar: \pm 0,1 mbar

Operating Temperature -20...80 °C

Compensated Range 10...50 °C

Error Band* \pm 0,1 %FS typ. \pm 0,2 %FS máx.

Special Versions - IP 67

- Alternative plugs (see front page) - Cable version

- Pressure ranges neg./pos.: Example: -10...+10 mbar

- Intrinsically safe version for use in explosion exposed areas