

PPS

Pressure sensors



Measuring range mBAR / BAR
Flush mounted options
0,5% accuracy
Analogue output mA / V
M12 or DIN 43650 electrical connector

Pixsys srl

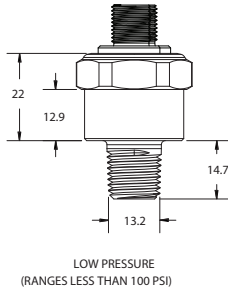
Via Po 16, I - 30030 Mellaredo di Pianiga VE
Ph. +39 041 519 0518 • Fax +39 041 519 0027

www.pixsys.net - sales@pixsys.net

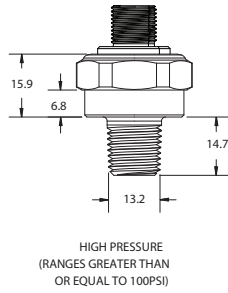


Dimensions - Process Connection

-A1

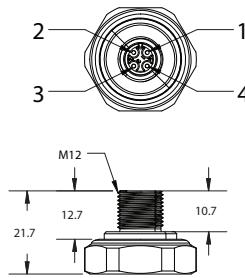


LOW PRESSURE
(RANGES LESS THAN 100 PSI)



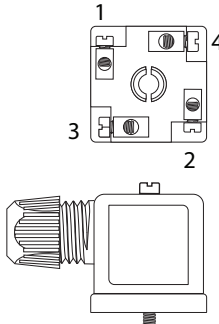
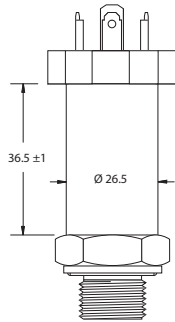
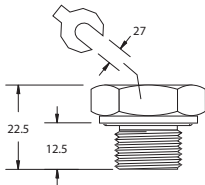
HIGH PRESSURE
(RANGES GREATER THAN
OR EQUAL TO 100PSI)

RX - M12 (4 Pin) METAL THREAD
(Pin 4 Common)



M12-4P Metal Pin-out Type 2		
Pin #	Voltage Function	Current Function
1	V+	V+
2	Output	V-
3	Ground	Ground
4	V- (Common)	V-

-A2



Function	
1	V-
2	V+
3	Shield
4	Ground

Main features

Power supply	15..30 VDC
Power consumption	Max 0,8 W
Material	Sensor housing steel galvanised
Weight	Approx. 189 g
Sealing	IP65

Technical data

Measuring range	-1..00 / 0.. 0.001 to 0..400 Bar (see Ordering code)
Sensor type	Thin film on steel
Electric connection	5 Pole Male M12x1 / 4 Pole DIN 13650
Sensor working temperature	- 20..+ 85°C (A2) / - 40..+ 125°C (A1)
Accuracy	± 0,5% F.S. @25°C

Outputs

1 analogue	4..20 mA
------------	----------

Ordering code

PPS-1BR-1-1-1-A1

Range	1.3BR = -1..3 Bar RELATIVE 0.1BR = -1..100 mBar RELATIVE 10BR = 0..10 Bar RELATIVE 0.1BA = 0..100 mBar ABSOLUTE 10BA = 0..10 Bar ABSOLUTE
Pressure connection	1 = 1/4" Gas 2 = 1/2" Gas 3 = 1/4" NPT 4 = 1/2" NPT 5 = 1/2" Gas Flush Membrane 6 = 1" Gas Flush Membrane

Electrical Connections	1 = M12 4 pin 2 = M12 5 pin 3 = DIN43650 (pipetta grande) 4 = EN 175301-803C (pipetta piccola)
Analogue output	1 = 4..20 mA 2 = 0..10 Volt 3 = 0..20 mA

A1	A2	
-1..0 bar	0..100 mbar	-1..0 bar
-1..1 bar	0..200 mbar	-1..1 bar
-1..2,5 bar	0..400 mbar	-1..3 bar
-0,5..10 bar	0..600 mbar	-1..10 bar
0..1 bar		0..1 bar
0..2,5 bar		0..2,5 bar
0..4 bar		0..4 bar
0..6 bar		0..6 bar
0..10 bar		0..10 bar
0..16 bar		0..16 bar
0..25 bar		0..25 bar
0..30 bar		0..30 bar
0..60 bar		0..60 bar
0..100 bar		0..100 bar
0..160 bar		0..160 bar
0..250 bar		0..250 bar
0..400 bar		0..400 bar
0..500 bar		0..500 bar
0..600 bar		0..600 bar