



## PRESSURE TRANSMITTER MPX SERIES

### APPLICATIONS

Small piezoresistive pressure transmitters are used for measuring the relative (gauge) or absolute pressure in liquids and gases. The pressure is converted into an standard electrical signal.

### TECHNICAL DATA

Ranges	bar	0 (-1) ÷ 1 ... 100	0 ÷ 160 ... 200
Overload limit	-	2 x full scale	1,5 x full scale

Pressure ranges ..... 0(-1) ÷ 200 bar

Supply (U)..... 10 ÷ 36V DC (for output 4 ÷ 20mA)  
15 ÷ 30V DC (for output 0 ÷ 10V)  
10 ÷ 30V DC (for output 0 ÷ 5V)

Output signal ..... 4 ÷ 20mA (2-wire), burden ( $R$ )  $\leq (U - 10V) / 0,02A$  [ $\Omega$ ]  
0 ÷ 10V, burden ( $R$ )  $\geq 10$  k $\Omega$   
0 ÷ 5V, burden ( $R$ )  $\geq 10$  k $\Omega$

Accuracy .....  $\leq 0,5\%$  FS  
 $\leq 0,2\%$  FS (option)

Long term stability .....  $\leq 0,5\%$  FS per year

Temperature limits:

-ambient ..... -20 ÷ 80°C  
-medium ..... -30 ÷ 80°C  
-storage ..... -30 ÷ 80°C

Temperature error (0 ÷ 70°C):

zero .....  $\leq 0,02\%$  / °C  
span .....  $\leq 0,03\%$  / °C

Protection ..... IP 60  
IP 65 (option)

Pressure connection .....  $\frac{1}{4}$ " or M12 x 1,5 male

Electrical connection ..... 2m length cable

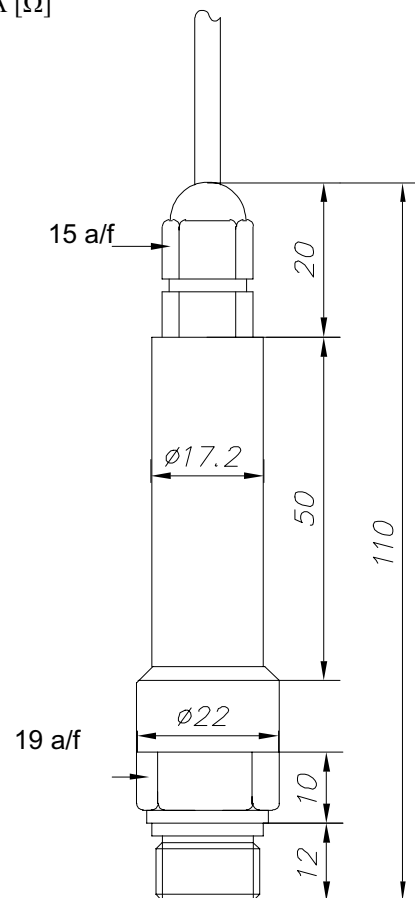
Construction materials:

-diaphragm ..... 316Lss  
-housing ..... 1H18N9T

Working position ..... any (for ranges <1 bar calibration in the working position)

Weight ..... 150 g

### DIMENSIONS



**PELLIRON**