

# PDS02

## Economical pressure gauge with diaphragm sensing system for measuring relative and differential pressures

- For non-corrosive gases
- Available measuring ranges: from 0–60 Pa to 0–30 kPa
- Rugged, heavy-duty cast aluminum housing
- For panel mounting or surface mounting



### Description:

Model PDS02 pressure gauges can be used to measure positive, negative or differential pressures. The devices are enclosed in a rugged aluminum housing and have two sets of two pressure inlets – one set on the side, and one set on the back – which can be used as needed to accommodate the particular installation. Both of the unneeded pressure connections can be sealed off with the end plugs included with the gauge. In addition to standard scales in Pa or kPa, additional scales (mm WC, PSI, double scales,  $\pm$ -scales with the zero point in the middle) are available upon request.

### Typical Applications:

Because of their very low cost, model PDS02 pressure gauges are particularly suitable for inexpensive monitoring of the following conditions:

- Filter systems
- Air ducts
- Air blowers
- Pressure in spray-paint booths

and other, similar applications

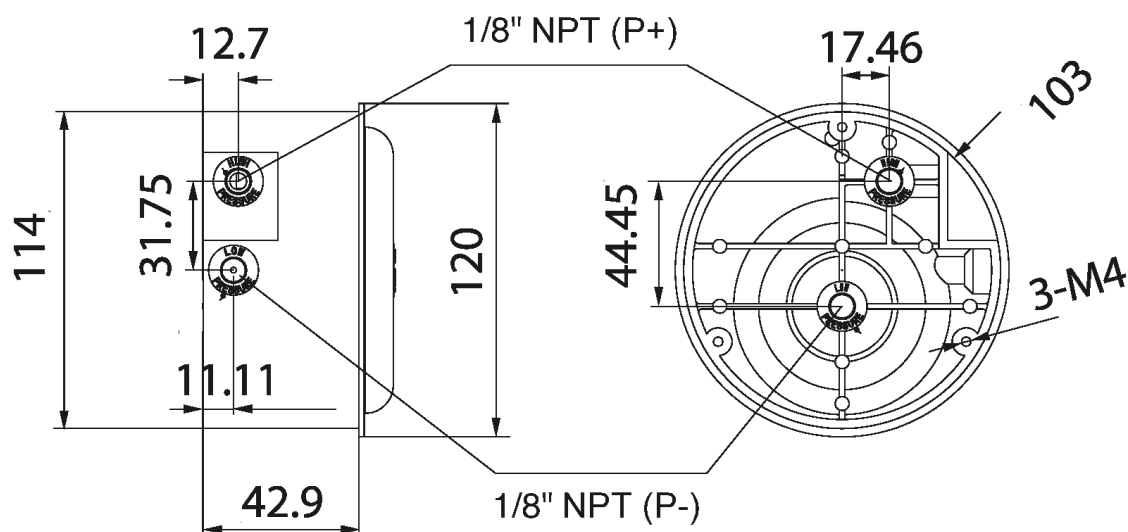
## Models:

<b>Nominal size:</b>	Housing diameter of 114 mm
<b>Materials:</b>	Gauge housing made of cast aluminum, gauge face made of plexiglass
<b>Process connection:</b>	2 sets x 1/8" NPT connections (4 total possible connections), female thread, located on the side and back
<b>Compatible media:</b>	Air and other non-corrosive gases

## Measuring ranges:

Measuring range	Ordering codes	Special scales (available upon request)
0... 60 Pa	D52	mm water column PSI inch water column  ± - Scales with the zero point in the middle
0... 125 Pa	D53	
0... 250 Pa	D55	
0... 500 Pa	D56	
0... 750 Pa	D57	
0... 1 kPa	D58	
0... 1,5 kPa	D59	
0... 2 kPa	D60	
0... 3 kPa	D61	
0... 5 kPa	D62	
0... 10 kPa	D63	Special, customized scales
0... 15 kPa	D64	
0... 20 kPa	D65	
0... 30 kPa	D66	

## Dimensions:



## Model Coding:

Order Number: PDS02 10. A. 08N. D58. 0

**Economical pressure gauge with diaphragm sensing system for measuring relative and differential pressures**

### Models:

10 = Housing diameter of 114 mm

### Materials:

A = Aluminum housing, plexiglass face

### Process connection

08N = 2 sets x 1/8" NPT connections (4 total possible connections), female thread, located on the side and back

### Measuring ranges:

D52 to D65 = See table in section "Measuring Ranges"

S = Measuring range available by special order

### Options and accessories (more than one may be selected):

0 = None

ASF = Position indicator, installed in the device face

NT = Low-temperature design (-29 to +60°C)

ER = Stainless steel bezel

9 = Please specify in writing.

## Technical Specifications:

### Housing:

Round housing made of cast aluminum; d = 114 mm with bezel for panel mounting and fittings for surface mounting

### Glass face:

Plexiglass

### Process connection:

2 sets x 1/8" NPT connections (4 total possible connections), female thread, located on the side and back

### Measuring ranges:

See table in section "Measuring Ranges"

### Overload protection:

-0,68 to +1 bar

### Media temperature:

-7 to +60 °C

### Accuracy:

2% of measured range end value

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