

# proSense® Differential Pressure Gauges

Part No. DGA-30

## Features

- Industrial grade black die-cast aluminum case
- High temperature tolerance
- Resistance-free movement
- 2% full scale accuracy
- Re-zero adjustment
- Mounting and connection hardware included. Other mounting accessories available.
- 5-year warranty

## Applications

- Air and compatible non-combustible gasses
- Indicates positive, negative or differential pressure:
  - Filter status
  - Duct static pressure
  - Clean rooms
  - Paint booths
  - Fans or blowers
  - Dust collectors
  - Cabinet purging



## ProSense Differential Pressure Gauges

Part Number	Description	Pcs/Pkg	Wt(lb)	Price
<u>DGA-01</u>	ProSense differential pressure gauge, 0 to 1" water column range	1	1.43	\$62.00
<u>DGA-02</u>	ProSense differential pressure gauge, 0 to 2" water column range	1	1.43	\$62.00
<u>DGA-03</u>	ProSense differential pressure gauge, 0 to 3" water column range	1	1.43	\$62.00
<u>DGA-04</u>	ProSense differential pressure gauge, 0 to 4" water column range	1	1.43	\$62.00
<u>DGA-05</u>	ProSense differential pressure gauge, 0 to 5" water column range	1	1.43	\$62.00
<u>DGA-10</u>	ProSense differential pressure gauge, 0 to 10" water column range	1	1.43	\$67.00
<u>DGA-15</u>	ProSense differential pressure gauge, 0 to 15" water column range	1	1.43	\$67.00
<u>DGA-20</u>	ProSense differential pressure gauge, 0 to 20" water column range	1	1.43	\$67.00
<u>DGA-25</u>	ProSense differential pressure gauge, 0 to 25" water column range	1	1.43	\$67.00
<u>DGA-30</u>	ProSense differential pressure gauge, 0 to 30" water column range	1	1.43	\$67.00
<u>DGA-40</u>	ProSense differential pressure gauge, 0 to 40" water column range	1	1.43	\$67.00
<u>DGA-50</u>	ProSense differential pressure gauge, 0 to 50" water column range	1	1.43	\$67.00
<u>DGA-100</u>	ProSense differential pressure gauge, 0 to 100" water column range	1	1.43	\$67.00
<u>DGA-150</u>	ProSense differential pressure gauge, 0 to 150" water column range	1	1.43	\$67.00
<u>DGA-01B</u>	ProSense differential pressure gauge, -1 to 1" water column range	1	1.43	\$62.00
<u>DGA-02B</u>	ProSense differential pressure gauge, -2 to 2" water column range	1	1.43	\$62.00
<u>DGA-05B</u>	ProSense differential pressure gauge, -5 to 5" water column range	1	1.43	\$62.00
<u>DGA-10B</u>	ProSense differential pressure gauge, -10 to 10" water column range	1	1.43	\$67.00
<u>DGA-15B</u>	ProSense differential pressure gauge, -15 to 15" water column range	1	1.43	\$67.00

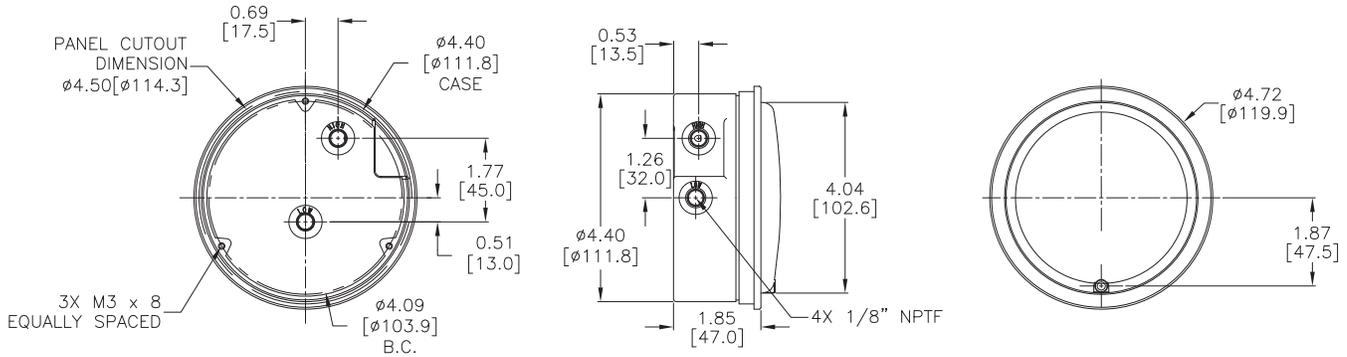
## ProSense Differential Pressure Gauges Specifications

<b>Dial Size</b>	4" (100mm), white aluminum with black markings
<b>Case</b>	Die-cast black aluminum
<b>Lens</b>	Polycarbonate
<b>Ring</b>	Threaded die-cast black aluminum
<b>Connection</b>	(2) high and (2) low pressure ports, 1/8" female NPT, located on side and back
<b>Wetted Parts</b>	Aluminum, silicone rubber
<b>Mounting</b>	Vertical position, flush or surface mount with included hardware
<b>Movement</b>	Resistance-free and magnetic
<b>Pointer</b>	Aluminum, anodized black
<b>Media</b>	Air and compatible non-combustible gases
<b>Over Pressure Limit</b>	14.5 psi / 100 kPa / 400 inH <sub>2</sub> O maximum
<b>Ambient Temperature</b>	-40°F to 140°F (-40°C to 60°C)
<b>Process Temperature</b>	14°F to 140°F (-10°C to 60°C)
<b>Accuracy</b>	±2% of full scale
<b>IP Rating</b>	Unit IP67 - Enclosure rating dependent on installation method

# proense® Differential Pressure Gauges

## Dimensions

inches [mm]



### Panel Mounting

Cut a circular opening in the panel to allow a close fit of 4.41" (112mm) gauge case diameter. Refer to above drawing.

See our website [www.AutomationDirect.com](http://www.AutomationDirect.com) for complete Engineering drawings.

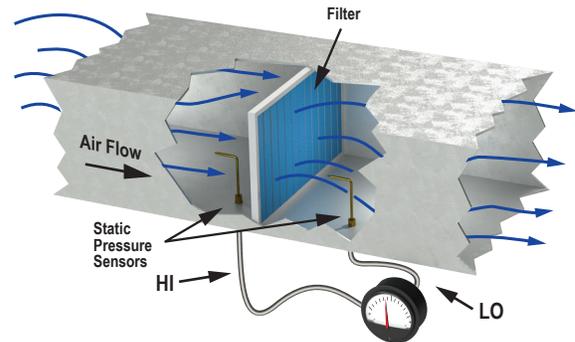
- Gauges include:
  - (3) angled mounting brackets with short and long screws
  - (2) brass hose barb connectors with 1/8" NPT threads\*
  - (2) 1/8" NPT threaded plugs
- \*Note: Plastic tubing with a minimum inside diameter of 0.170 inches and less than 0.275 inches can be used with the brass hose barb connectors.



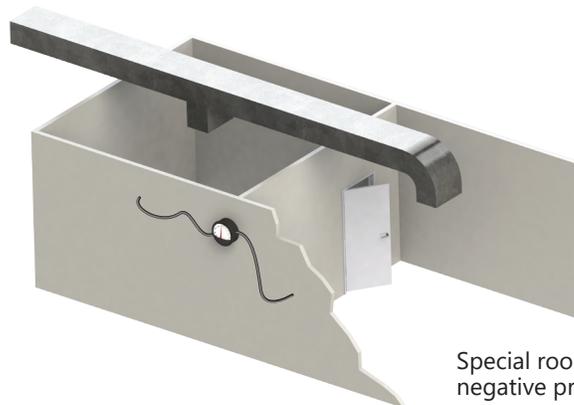
## Application Examples



Air/gas flow as a function of blower static pressure



Filter condition monitoring



Special room positive or negative pressure indication

# pro<sup>sense</sup>® Differential Pressure Gauges Accessories

## Applications



Part No. DGA-B



Part No. DGA-R



Part No. DGA-T



Part DGA-B shown with DGA Differential Pressure Gauge



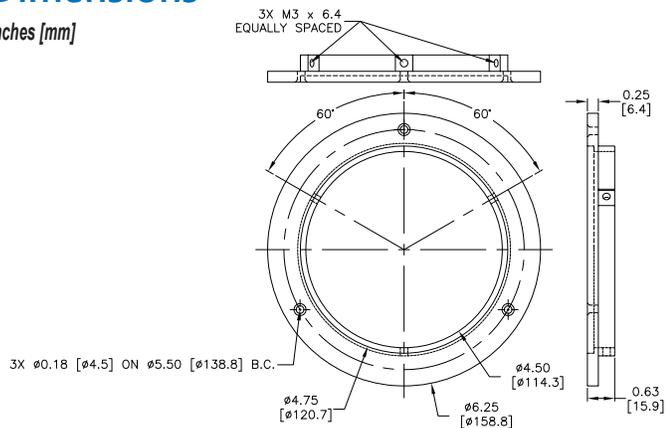
Part DGA-R shown with DGA Differential Pressure Gauge

- DGA-T Static Pressure Tip:  
Use the DGA-T to sense static pressure in ducts, across filters, coils, fans, etc. The angled tip is brass, has a 4" insertion depth and four radial 0.04" sensing holes. The tip also has a compression fitting for use with 1/4" OD metal or plastic tubing.
- DGA-B Surface Mount Bracket:  
Mount the DGA gauge to the pre-drilled holes in the metal DGA-B mounting bracket and then mount the bracket to any vertical flat surface.
- DGA-R Panel Mount Flange:  
Secure the plastic flange to the DGA gauge with the three set screws in the flange. The DGA can now be mounted to a panel using the three mounting holes in the flange and the included mounting screws.

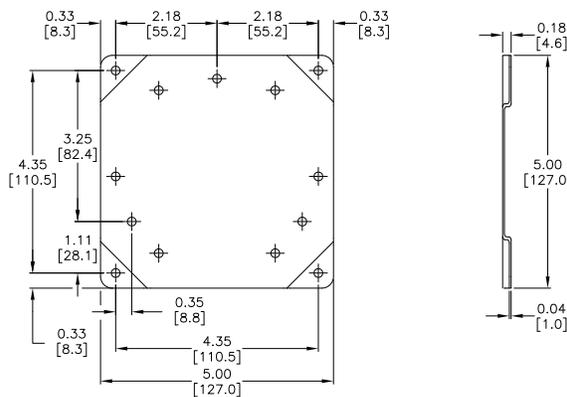
ProSense Differential Pressure Gauges Accessories				
Part Number	Description	Pcs/Pkg	Wt(lb)	Price
<u>DGA-T</u>	ProSense static pressure tip with compression fitting, brass, for use with DGA series differential pressure gauges or DPTA series differential pressure transmitters.	1	0.07	\$16.50
<u>DGA-B</u>	ProSense surface mount bracket, aluminum, for use with DGA series differential pressure gauges. Hardware included.	1	0.1	\$10.50
<u>DGA-R</u>	ProSense panel mount flange, ABS plastic, for use with DGA series differential pressure gauges. Hardware included.	1	0.15	\$11.00

## Dimensions

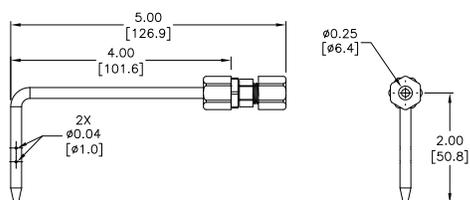
inches [mm]



Part No. DGA-R



Part No. DGA-B



Part No. DGA-T

See our website [www.AutomationDirect.com](http://www.AutomationDirect.com) for complete Engineering drawings.