# **Dr**Sense 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 collectorsCabinet purging



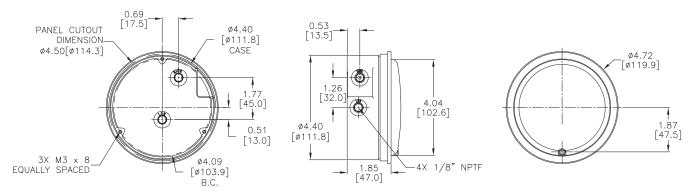
ProSense Differential Pressure Gauges								
Part Number	Description	Pcs/Pkg	Wt(lb)	Price				
<u>DGA-01</u>	ProSense differential pressure gauge, 0 to 1" water column range	1	1.43	\$63.00				
<u>DGA-02</u>	ProSense differential pressure gauge, 0 to 2" water column range	1	1.43	\$63.00				
DGA-03	ProSense differential pressure gauge, 0 to 3" water column range	1	1.43	\$63.00				
DGA-04	ProSense differential pressure gauge, 0 to 4" water column range	1	1.43	\$63.00				
DGA-05	ProSense differential pressure gauge, 0 to 5" water column range	1	1.43	\$63.00				
DGA-10	ProSense differential pressure gauge, 0 to 10" water column range	1	1.43	\$68.00				
DGA-15	ProSense differential pressure gauge,0 to 15" water column range	1	1.43	\$68.00				
DGA-20	ProSense differential pressure gauge, 0 to 20" water column range	1	1.43	\$68.00				
DGA-25	ProSense differential pressure gauge, 0 to 25" water column range	1	1.43	\$68.00				
DGA-30	ProSense differential pressure gauge, 0 to 30" water column range	1	1.43	\$68.00				
DGA-40	ProSense differential pressure gauge, 0 to 40" water column range	1	1.43	\$68.00				
DGA-50	ProSense differential pressure gauge, 0 to 50" water column range	1	1.43	\$68.00				
DGA-100	ProSense differential pressure gauge, 0 to 100" water column range	1	1.43	\$68.00				
DGA-150	ProSense differential pressure gauge, 0 to 150" water column range	1	1.43	\$68.00				
DGA-01B	ProSense differential pressure gauge, -1 to 1" water column range	1	1.43	\$63.00				
DGA-02B	ProSense differential pressure gauge, -2 to 2" water column range	1	1.43	\$63.00				
DGA-05B	ProSense differential pressure gauge, -5 to 5" water column range	1	1.43	\$63.00				
DGA-10B	ProSense differential pressure gauge, -10 to 10" water column range	1	1.43	\$68.00				
DGA-15B	ProSense differential pressure gauge, -15 to 15" water column range	1	1.43	\$68.00				

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

# **Dr**Sense 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.

- 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.

See our website <u>www.AutomationDirect.com</u> for complete Engineering drawings.

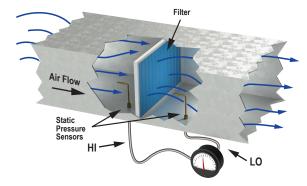


## **Application Examples**



Air/gas flow as a function of blower static pressure

DGA shown with included brackets, screws, fittings and plugs



Filter condition monitoring



## Sense Differential Pressure Gauges Accessories







Part No. DGA-T

#### Part No. DGA-B



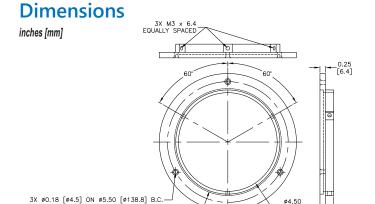
Part DGA-B shown with **DGA Differential Pressure** Gauge

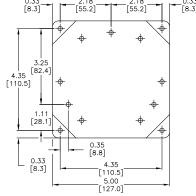
Part DGA-R shown with **DGA Differential Pressure** Gauge

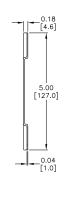
### **Applications**

- DGA-T Static Pressure Tip: Use the <u>DGA-T</u> 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.
- <u>DGA-B</u> Surface Mount Bracket: Mount the DGA gauge to the pre-drilled holes in the metal <u>DGA-B</u> mounting bracket and then mount the bracket to any vertical flat surface.
- <u>DGA-R</u> 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			
DGA-T	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	\$17.00			
DGA-B	ProSense surface mount bracket, aluminum, for use with DGA series differential pressure gauges. Hardware included.	1	0.1	\$11.00			
DGA-R	ProSense panel mount flange, ABS plastic, for use with DGA series differential pressure gauges. Hardware included.	1	0.15	\$11.50			

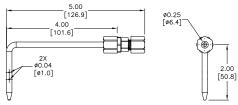






Part No. DGA-R

Part No. DGA-B



Part No. DGA-T

See our website www.AutomationDirect.com for complete Engineering drawings.