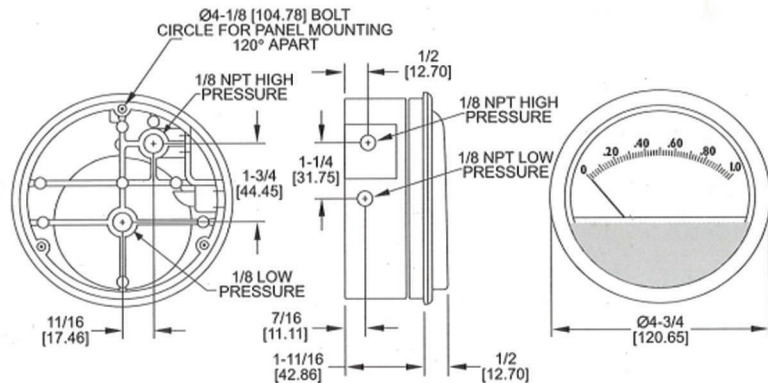




G-5000 AERO TYPE DIFFERENTIAL PRESSURE GAUGES

Made in Taiwan



G-5000 type Differential Pressure Gauge make use of simplicity, have no friction of the magnetic element of spiral movement, with rubber film slice as the sensitive component in measuring flexibility pressure. It can make use of index sign to indicate the measuring of gaseous pressure quickly, no matter of positive, negative or differential pressure. This design has quakeproof, shaking and over pressure function. Nevertheless, there's no need to have liquid filling inside, therefore, no gaseous, freezing and strange smell will appears in this matter.

G-5000 type Differential Pressure Gauge is extensively been applied in pressure of measuring the fan and drum breeze machine, screening out the program resistance, wind velocity, the stove presses, hole plank differential gauge, also be used for burnable the air coal gas specific value within process control, the automatic valve control, the medical treatment care for the blood pressure equipment and to monitor the breathe pressure.

Supplied by:

Global Environment Equipment Co., Ltd
4F, No.21, Aly.175, Ln.129, Sec. Jiulong,
Zhongxing Rd., Longtan Dist.,
Taoyuan City 325, Taiwan.

Malaysia Exclusive Distributor:

Winfan (M) Sdn Bhd
PMT31, Jalan IKS Simpang Empat, Taman IKS Simpang Empat,
14100 Simpang Ampat, Penang, Malaysia.
Tel: 04-5062335
Moblie: 017-2972335
Email: info@winfan.my



G-5000 AERO TYPE DIFFERENTIAL PRESSURE GAUGES

Made in Taiwan

DUAL PRESSURE UNITS



G-5004



G-5006



G-5010

Range Inches of Water
0 - 4
Range MM of Water
0 - 100

Range Inches of Water
0 - 6
Range MM of Water
0 - 150

Range Inches of Water
0 - 10
Range MM of Water
0 - 250

Process Conjunction: High pressure and low pressure hole of 1/8" drill tube thread, 2 sets (side and back each)

Standard Fitting: 2 pcs 1/8" NPT head, 2 pcs 1/8" spiral plastic tube and 3 pcs with bolt for bolt card installation.

Casing Material: Cast aluminium press or Nylon with ABS plastic

Accuracy: Standard +-2% FS

Environmental Temperature: -7 ~ 60 deg C

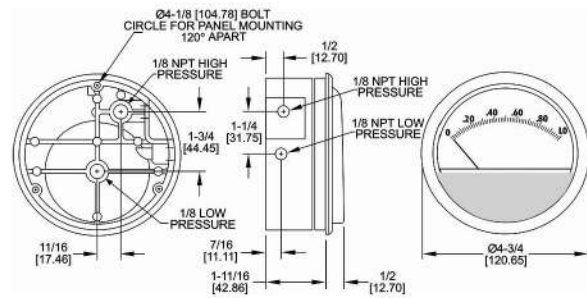
Supplied by:

Global Environment Equipment Co., Ltd
4F, No.21, Aly.175, Ln.129, Sec. Jiulong,
Zhongxing Rd., Longtan Dist.,
Taoyuan City 325, Taiwan.

Malaysia Exclusive Distributor:

Winfan (M) Sdn Bhd
PMT31, Jalan IKS Simpang Empat, Taman IKS Simpang Empat,
14100 Simpang Ampat, Penang, Malaysia.
Tel: 04-5062335
Moblie: 017-2972335
Email: info@winfan.my

Aero Type Micro Differential Pressure Gauge



STANDARD GAUGE ACCESSORIES:

Two 1/8" NPT plugs for duplicate pressure taps, two 1/8" pipe thread to rubber tubing adapters and three flush mounting adapters with screws.

MP AND HP GAUGE ACCESSORIES:

Mounting ring and snap ring retainer substituted for 3 adapters, 1/4" compression fittings replace 1/8" pipe thread to rubber tubing adapters.

OVER PRESSURE PROTECTION:

Standard differential pressure gauges are rated for maximum pressure of 15psig and should not be used where that limit could be exceeded. Models employ a rubber plug on the rear which functions as a relief valve by unseating and venting the gauge interior when over pressure reaches approximately 25 psig (excludes MP and HP models). To provide a free path for pressure relief, there are four spacer pads which maintain .023" clearance when gauge is surface mounted. Do not obstruct the gap created by these pads.

SPECIFICATIONS:

Service:

Air and non-combustible gases. (Natural Gas option available.)

Wetted Materials:

Consult factory.

Housing:

Die cast aluminum case and bezel with acrylic over (MP model has polycarbonate cover).

Accuracy:

±2% of full scale (±3% on -0, -100 Pa, -125 Pa, 10 MM and ±4% on -00, -00N, -60 Pa, -6 MM ranges), throughout range at 70°F (21°C).

Pressure Limits:

-20" Hg to 15 psig, †(-0.677 bar to 1.034 bar); MP option: 35 psig (2.41 bar), HP option: 80 psig (5.52 bar).

Over pressure:

Relief plug opens at approximately 25 psig (1.72 bar), standard gauge only. The blowout plug is not used on models above 180 inches of water pressure, medium or high pressure models, or on gauges which require an elastomer other than silicon for diaphragm.

Temperature limits:

20 to 140°F (-6.67 to 60°C). * Low Temperature models available as special option.

Size:

4" (101.6 mm) diameter dial face.

Mounting Orientation:

Diaphragm in vertical position. Consult factory for other position orientations.

Process Connections:

1/8" female NPT duplicate high and low pressure taps – one pair side and one pair back.

Weight:

1 lb 2 oz (510 g), MP & HP 2 lb 2 oz (963 g).

Note: May be used with hydrogen when ordering Buna-N diaphragm. Pressure must be less than 35 psi.

INSTALLATION:

Select a location free from excessive vibration and where the ambient temperature will not exceed 140°F (60°C). Also, avoid direct sunlight which accelerates discoloration of the clear plastic cover. Sensing lines may be run any necessary distance. Long tubing lengths will not affect accuracy but will increase response times slightly. Do not restrict lines. If pulsating pressure or vibration cause excessive pointer oscillation, consult the factory for ways to provide additional damping. All J-5000 standard differential pressure gauge are calibrated with the diaphragm vertical and should be used in that position for maximum accuracy. If gauges are to be used in other than vertical position, this should be specified on the order. Many higher range gauges will perform within tolerance in other positions with only re-zeroing. Low range models of 0.5" w.c. and metric equivalents must be used in the vertical position only.

SURFACE MOUNTING:

Locate mounting holes, 120° apart on a 4-1/8" dia. Circle. Use No.6-32 machine screws if appropriate length.

FLUSH MOUNTING:

Provide a 4-9/16" dia. (116 mm) opening in panel. Provide a 4-3/4" dia. (120mm) opening for MP and HP models. Insert gauge and secure in place with No.6-32 machine screws of appropriate length, with adapters, firmly secured in place.

PIPE MOUNTING:

To mount gauge in 1-1/4" – 2" pipe, order optional D4E6A pipe mounting kit.

TO ZERO GAUGE AFTER INSTALLATION:

Set the indicating pointer exactly in the zero mark, using the external zero adjust screw on the cover at the bottom. Note that the zero check or adjustment can only be made with the high and low pressure taps both open to atmosphere.

OPERATION:

Positive Pressure: Connect tubing from source of pressure to either of the two high pressure ports. Plug the port not used. Vent one or both low pressure ports to atmosphere.

Negative Pressure: Connect tubing from source of vacuum or negative pressure to either of the two low pressure ports. Plug the port not used. Vent one or both high pressure ports to atmosphere.

Differential Pressure: Connect tubing from the greater of two pressure sources to either high pressure port and the lower to either low pressure port. Plug both unused ports.

A. For portable use of temporary installation use 1/8" pipe thread to rubber tubing adapter and connect to source of pressure with flexible rubber or vinyl tubing.

B. For permanent installation, 1/4" O.D., or larger, copper or aluminum tubing is recommended.

MAINTENANCE:

No lubrication or periodic servicing is required. Keep case exterior and cover clean. Occasionally disconnect pressure lines to vent both sides if gauge to atmosphere and re-zero. Optional vent valves should be used in permanent installations. The Series J-5000 is not field serviceable and should be returned if repair is needed (field repair should not be attempted and may void warranty). Be sure to include a brief description of the problem plus any relevant application notes. Contact customer service to receive a return goods authorization number before shipping.

WARNING:

Attempted field repair may void your warranty. Recalibration or repair by the user is not recommended.

TROUBLE SHOOTING TIPS:

Gauge won't indicate or is sluggish.

1. Duplicate pressure port not plugged.
2. Diaphragm ruptured due to over pressure.
3. Fittings or sensing lines blocked, pinched, or leaking.
4. Cover loose or "O" ring damaged, missing.
5. Pressure sensor, (static tips, Pitot tube, etc.) improperly located.
6. Ambient temperature too low. For operation below 20°F (-7°C), order gauge with low temperature, (LT) option.

-----CAUTION-----

The blowout plug is not used in models above 180 inches of water pressure, medium or high pressure models, or on gauges which require an elastomer other than silicon for diaphragm.