

PRESSURE GAUGES



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Many Products...One Source

PRESSURE GAUGES

2" Gauges



Dry:

- Application: General Purpose - not for use with oxygen
- Accuracy: 3%-2%-3%
- Pressure Ratings: 0-600 PSI
- Operating Temperature: 32°F-104°F
- Connection: Brass (0°C-40°C)
- Bourdon Tube
- Available in Plastic or Steel Case
- Window: Clear Acrylic Lens
- Mount: 1/8" & 1/4" Center Back Mount
1/8" & 1/4" Lower Mount

* Also available in 1 1/2" dials with 1/8" Center Back Mount



Liquid Filled:

- Application: Where vibration or pressure pulsation occur
- Accuracy: 3%-2%-3%
- Pressure Ratings: 0-200 PSI
- Operating Temperatures:
Ambient: 104°F to -4°F (40°C to -20°C)
Media: Max. 140°F (60°C)
- Connection: Brass
- Black Steel Case
- Window: Polycarbonate Lens
- Mount: 1/4" MPT Lower Mount
- Copper Alloy Internals



2 1/2" Gauges

Liquid Filled:

- Application: Where vibration or pressure pulsation occur
- Accuracy: 1.5% full Scale Value
- Pressure Ratings: 0-10,000 PSI
- Operating Temperatures:
Ambient: 140°F to -4°F (60°C to -20°C)
Media: Max. 140°F (60°C)
- Connection: Brass
- Bourdon Tube
- #304 Stainless Steel Case
- Window: Polycarbonate Lens
Also available in acrylic
- Mount: 1/4" Lower Mount
1/4" Center Back Mount
- Copper Alloy Wetted Parts
- Gauges 15 to 600 PSI Tapped for Restrictor Screw (not included)
- Gauges of 1000 PSI or more Tapped and Supplied with a Restrictor Screw



Dry:

- Application: General Purpose - not for use with oxygen
- Accuracy: 3%-2%-3%
- Pressure Ratings: 0-600 PSI
- Operating Temperature: 32°F-104°F
- Connection: Brass (0°C-40°C)
- Bourdon Tube
- Black Steel Case
- Window: Clear Acrylic Lens
- Mount: 1/4" Lower Mount



2 1/2" All Stainless Steel Gauges

Dry & Liquid Filled

- Application: Corrosive Environments
- Accuracy: 1.5% full Scale Value
- Pressure Ratings: 0-10,000 PSI
- Operating Temperatures:
Ambient: -4°F to 140°F (-20°C to 60°C)
Media: Max. 212°F (100°C)
- #316 S. S. Internals & Connection
- Bourdon Tube
- #304 Stainless Steel Case
- Window: Polycarbonate Lens
- Mount: 1/4" Lower Mount
1/4" Center Back Mount
- Gauges 15 to 600 PSI Tapped for Restrictor Screw (not included)
- Gauges of 1000 PSI or more Tapped and Supplied with a Restrictor Screw

Also available are Vacuum & Vacuum/Pressure Gauges, please contact your Sales Rep for more details!



PRESSURE GAUGES



2 1/2" Low Pressure Gauges

- Application: Low Pressure
- For accurate measurement of low pressure (1/2 thru 10 PSI) shown in inches of water.
- Fluid Medium, Gaseous or Dry can be measured which does not clog connection port or corrode copper alloy.
- Ideal for use in low pressure pneumatic systems.
- Accuracy: $\pm 1.5\%$ full Scale Value
- Operating Temperatures:
Ambient: -4°F to 140°F (-20°C to 60°C)
Media: Max. 212°F (100°C)
- Connection: Copper Alloy
- Black Steel Case
- Window: Clear Acrylic Lens
- Mount: 1/4" Lower Mount
- Copper Alloy Wetted Parts
- Brass Threaded Restrictor Screw
- Capsule element material: Copper Alloy

TEMPERATURE ERROR

Additional Error when temperature changes from reference temperature of 68°F (20°C) 0.6%/10k of true scale value.

IMPORTANT:

Liquid Filled Gauges are sealed with a rubber plug to prevent leaking during shipment. Upon installation the tip of the plug must be cut off to allow the equalization of the internal gauge pressure to the atmospheric pressure.

FAILURE TO DO SO WILL ADVERSELY AFFECT THE FUNCTION OF THE GAUGE.



4" Gauges

Liquid Filled:

- Application: Where vibration or pressure pulsation occur
- Accuracy: 1.5% full Scale Value
- Pressure Ratings: 0-10,000 PSI
- Operating Temperatures:
Ambient: -4°F to 140°F (-20°C to 60°C)
Media: Max. 140°F (60°C)
- Connection: Brass
- Bourdon Tube
- #304 Stainless Steel Case
- Window: Polycarbonate Lens
- Mount: 1/4" Lower Mount
1/4" Lower Back Mount
- PG40LBM Series have Stainless Steel Internals and Stainless Steel 1/4" Connector

- Gauges 15 to 600 PSI tapped for restrictor screw (not included)

- Gauges of 1000 PSI or more are tapped and supplied with a restrictor screw



Dry:

- Application: Fluid medium which does not clog connection or corrode copper alloy
- Accuracy: $\pm 2.5\%$ full Scale Value
- Pressure Ratings: 0-600 PSI
- Operating Temperatures:
Ambient: -40°F to 140°F (-40°C to 60°C)
Media: Max. 140°F (60°C)
- Connection: Brass
- Bourdon Tube
- Black Steel Case
- Window: Clear Acrylic Lens
- Copper Alloy Wetted Parts
- Mount: 1/4" Lower Mount

4 1/2" Contractor Gauges

- Application: Fluid medium which does not clog connection or corrode copper alloy
- Accuracy: $\pm 1.0\%$ full Scale Value
EXCEPTION - 3000 & 5000 PSI gauge $\pm 2.0\%$ full Scale Value

- Pressure Ratings: 0-5,000 PSI
- Operating Temperatures:
Ambient: -13°F to 140°F (-25°C to 60°C)
Media: Max. 140°F (60°C)
- Connection: Copper Alloy
- Bourdon Tube
- Gauges 15 to 600 PSI tapped for restrictor screw (not included)
- Gauges of 1000 PSI or more are tapped and supplied with a restrictor screw



- #304 Stainless Steel Case
- Window: Clear Acrylic Lens
- Readjustable Pointer
- Mount: 1/4" Lower Mount

Also available are Vacuum & Vacuum/Pressure Gauges, please contact your Sales Rep for more details!

TESTING GAUGES & ACCESSORIES



Water Test Gauges

These gauges provide a quick and easy way to test a wide range of pressure systems for leakage. With a standard 3/4" garden hose connection complete with washer this gauge attaches to hose bibbs, boiler drains and lawn faucets. Often used in conjunction with rubber test caps offering a quick and easy way to fill and drain water used in testing cast iron or Schedule 40 plastic pipe often used in sewer, drain and waste water systems.

- Pressure Rating: 0-300 PSI
- Connection: 3/4" Brass Female Hose Thread - Swivel



4 1/2" Water Level Gauge

- Accuracy: \pm 3-2-3%
- Ranges: 0-390' H₂O
- Connection: 1/4" NPT Brass Lower Mount
- Bourdon Tube - Phosphor Bronze, soft soldered
- Window: Clear Acrylic Lens
- Brass Pointer, black finish
- Brass movement
- Aluminum, rotating dial
- #304 Stainless Steel Case
- #304 Stainless Steel Bezel with side screws

Gauge is used to indicated the depth of water in a well. Gauge and air line to well bottom are charged with air. The pressure required to permit air to escape from the end of the air line is a measure of the head of water above the end of the air line. The length of air line may be set on the adjustable dial to permit reading water level in feet below the ground surface.



Gas Test Gauges

These gauges come completely assembled on a brass hex manifold incorporating a snifter (air) valve complete with a plastic cap. The manifold is threaded with a 3/4" FPT connection. This test gauge provides a quick and easy means of pressurizing and monitoring a gas system for leaking.

- Pressure Ratings: 0-200 PSI
- Connection: 3/4" FPT

NOTE: Bushing not included. Please purchase separately

Gas Test Gauge Accessories

Gas Test Manifold w/o Gauge:

This is a brass hex manifold incorporating a snifter (air) valve complete with a plastic cap. The manifold is threaded with a 3/4" FPT connection. This test gauge package provides a quick and easy means of pressurizing and monitoring a gas system for leakage. Gauges sold separately.

NOTE: Bushing not included. Please purchase separately



Gas Test Manifold Coupling:

- Trouble free alternative to test gas systems
- Black malleable iron 3/4" x 1/4" reducer
- Coupling drilled and tapped 1/8"

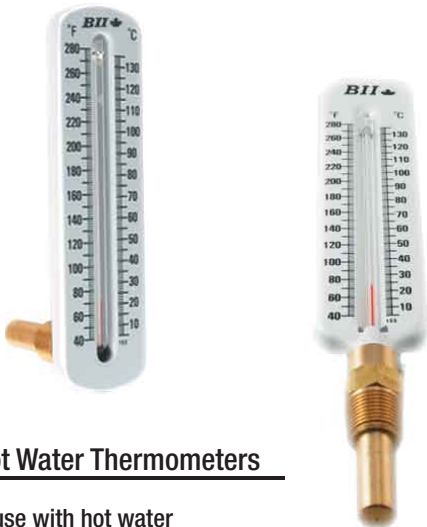
CHOICE OF ACCESSORY PACKAGES AVAILABLE

- Available with or without 1/8" Snifter Valve
- Also available complete with Pressure Gauge and Snifter Valve

Pressure ranges: 0-15 PSI
0-30 PSI
0-60 PSI



THERMOMETERS & TRIDICATORS



8" Hot Water Thermometers

- For use with hot water
- Temperature Range: 40°F to 280°F (5°C to 135°C)
- Available with Straight or Angled connection
- Red Liquid Fill (non mercury)
- 1/2" NPT Brass Thermowell



Bi-Metal Thermometers

2 1/2" and 3" Dials

- General purpose industrial thermometer
- Accuracy: $\pm 2\%$
- Working Range - Maximum scale value
- 6 Bar Maximum Thermowell rating
- Coiled BiMetal Element
- Bulb - Stem with detaching Thermowell
- Dual Scale °F & °C
- Aluminum Case / Acrylic Window
- Mount: 1/2" Center Back Mount
- Stainless Steel Thermowell on Model SS25



2 1/2" Tridicators

- General purpose industrial combination pressure gauge/thermometer
- Accuracy:
 - Pressure: $\pm 3-2-3\%$
 - Temperature: $\pm 2\%$
- Pressure Range: 0-75 PSI
- BiMetal Element
- Temperature Range: 30°F to 250°F (0°C to 120°C)
- Brass Connection
- Bourdon Tube
- Black Steel Case
- Mount: 1/4" Center Back Mount
- Window: Clear Acrylic Lens

3" Tridicators

- General purpose industrial combination pressure gauge/thermometer
- Accuracy:
 - Pressure: $\pm 3-2-3\%$
 - Temperature: $\pm 2\%$
- Pressure Range: 0-75 PSI
- Dual scale degree F and degree C
 - Range: 30°F to 250°F - 5 degree increments
 - Range: 0°C to 120°C - 2 degree increments
- Dual scale PSI & kPa
 - Range: 0-75 psi - 1 psi increments
 - Range: 0-500 kPa - 10 kPa increments
- Coiled BiMetal Element
- 1/2" Brass Connection
- Bourdon Tube
- Black Steel Case
- Window: Clear Acrylic Lens
- Mount: 1/2" Center Back Mount
1/2" Lower Mount

NO LEAD GAUGES

2" No Lead Pressure Gauges

Available in Dry or Liquid Filled

- Application:
 - Dry: General purpose - not for use with Oxygen
 - Liquid Filled: Where vibration or pressure pulsation occur
- Specially designed for potable H₂O systems, these gauges are ideal for the measurement of system pressure.
- Accuracy: 3%-2%-3%
- Pressure Rating: 0-200 PSI
- Operating Temperature:
 - Dry: 32°F to 104°F (0°C to 40°C)
 - Liquid Filled: -4°F to 140°F (-20°C to 60°C)
- 1/4" Brass MPT Lower Mount Connection
- Stamped "NL" on the connection
- Bourdon tube design
- Lead free solder, bourdon tube and socket
- Black steel case
- Window:
 - Dry: Clear Acrylic lens
 - Liquid Filled: Polycarbonate lens



2 1/2" No Lead Pressure Gauges

Liquid Filled

- Application: Where vibration or pressure pulsation occur
- Specially designed for potable H₂O systems, these gauges are ideal for the measurement of system pressure.
- Accuracy: 1.5% full scale value
- Pressure Rating: 0-200 PSI
- Operating Temperature:
 - Ambient: -4°F to 140°F (-20°C to 60°C)
 - Media: Max. 140°F (60°C)
- 1/4" Brass MPT Lower Mount Connection
- Stamped "NL" on the connection
- Bourdon tube design
- Lead free solder, bourdon tube and socket
- Stainless steel case
- Window: Polycarbonate lens



GAUGE ACCESSORIES



Panel Mount Flanges

- 3-Hole Front Flange available for 2 1/2" & 4" Dials
- U-Clamp Mounting Flange available for 2 1/2" & 4" Dials



Restrictor Screw

- Threaded into socket to dampen pulsation charges



Brass Snubbers

- Snubbers can be used with any gauge subjected to rapidly fluctuating pressures or sudden shock pressures.
- Construction: Brass housing c/w 316 Stainless Steel high strength, sintered, porous type snubbing element and 300 Series Stainless Steel retainer.
 - Maximum Operating Pressure: 10,000 PSI
 - Burst Pressure: 30,000 PSI
 - Operating Temperature: -65°F to +650°F
 - Weight: 2 ounces (57 grams)



Refill Glycerine

- 1 litre bottle - 99.9% glycerine starts to become viscous @ (+) 17°C



Pig Tail Syphons

Used to reduce steam or other process media temperature prior to entering pressure gauge or transmitter. Available in Steel or Brass

- Weight: 7 ounces (200 grams)

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