

HVAC and Refrigeration Applications

Pressure and Temperature Instruments



**Boilers
Chillers
Compressors
Pipe Systems**

REOTEMP

Temperature

Industrial Thermometer



Accuracy: $\pm 1\%$ full scale
Ranges: 30/240°F, others
Stem Lengths: 3.5", 6", 9"
Scale: 9"

Bimetallic Thermometer



Accuracy: $\pm 1\%$ full scale
Dial Size: 3", 4" or 5"
Stem Lengths: 2" to 80"
Ranges: Fahrenheit, Celsius, or Dual Scale

RTD's and Thermocouples



RTD: 3-wire, 4-wire 100 Ω
Thermocouples: Type K, J, E or N
Wide Variety of Case and Stem Styles Available to Fit any Custom Application

Thermowells



Material: A Multitude of Materials Available Machined from Solid Stock
Styles: Threaded, Flanged and Weld-in

Vapor/Gas Thermometers



Mechanical Thermometer
Direct or Remote Reading
Ranges: -320°F to 1200°F

Digital Thermometer



Accuracy: Less than $\pm 1\%$
Sensing Element: RTD, type Pt1000 Ω , class A
Ranges: -58°F to 392°F or -328°F to 1112°F
Mounting: Direct or Remote

Surface Thermometer



Accuracy: $\pm 3\%$
Dial Size: 2.5"
Ranges: Fahrenheit or Celsius
Magnetic or Pipe Mount

Pocket Thermometer



Accuracy: $\pm 1.5\%$
Dial Size: 1"
Stem Length: 5"
Pocket Protector with Clip

Tridicators



Measure Pressure and Temperature Simultaneously
Dial Size: 2.5", 3"
Stem: 1", 2", 2.5"
Connections: 1/4" or 1/2"

Pressure

Contractor Gauge Series PN



Accuracy: $\pm 1\%$ full scale
 Dial Size: 4.5", 6" or 8.5"
 Wetted Materials: Brass
 Case: Stainless Steel or Steel

Industrial Gauges PG Series



Accuracy: 1.5 - 2.5" = 3/2/3%
 2.5" = 1.6%, 4" = 1%
 Dial Size: 1.5", 2", 2.5", 4"
 Wetted Materials: Copper Alloy
 Case: Stainless Steel
 Fillable Case

Industrial Gauges PM Series



Accuracy: 1.5 - 2.5" = 3/2/3%
 2.5" = 1.6%, 4" = 1%
 Dial Size: 1.5", 2", 2.5", 4"
 Case: Stainless Steel
 Wetted Materials: 316SS
 Fillable Case

General Purpose Gauges



Accuracy: 3 - 2 - 3%
 Dial Size: 1.5", 2", 2.5", 3.5", 4"
 Wetted Materials: Copper Alloy
 Case: Steel Case

Process Gauge Series PT45



Accuracy: $\pm 0.5\%$
 Dial Size: 4.5"
 Wetted Material: 316SS
 Case: Phenolic

Heavy-Duty Gauges Series



Accuracy: $\pm 1\%$ full scale
 Dial Size: 2.5", 3.5", 4", 6"
 Wetted Material: 316SS
 Case: Stainless Steel (Fillable)

Large Dial Boiler Gauges



Accuracy: $\pm 1\%$
 Dial Size: 8", 10", 12"
 Wetted Material: 316SS
 Case: Cast Aluminum

Differential Pressure Gauges



Measure High/Low Pressures
 Across Filters
 Dial Size: 2.5", 3.5", 4.5", 6"
 Accuracy: 3-2-3%
 Process Limits: -40°F/200°F

Pressure Transmitters



4-20mA or VDC Output
 Reading
 Accuracy: 0.25%
 Vacuum, Compound, Pressure
 to 10,000psi

Hose Bib Gauges



Ideal for Measuring Water
 Pressure on Residential and
 Commercial Buildings
 Accuracy: 3-2-3%
 Dial Size: 2.5"
 Connects to Standard Hose
 Bib

Ammonia/Refrigeration Gauge



Pressure and Temperature
 Scales
 Scales: NH3 (Ammonia),
 R404, R22, R417, & others
 Dial Size: 2.5", 4", 6"

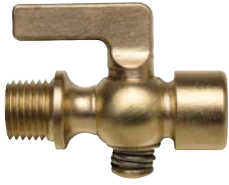
Low Pressure Gauge



For Measuring 10" WC to 300"
 WC
 Dial Size: 2.5", 4", 4.5", 6"
 Material: Brass or SS Wetted

Accessories and Testing

Gauge Cocks



Simple on/off valve used with air or natural gas at low pressures

Brass Construction

1/4" FXP & MXF

Handle: Tee or Lever

Ball Valve



Quarter Turn Valve Used for High Flow and Quick Shutoff

Material: Brass, CS, SS

Sizes: 1/4" - 2"

Port: Reduced or Full

Mini Valve



Low Cost Multiturn Valve Used for Throttling and High Pressure Applications

Material: Brass, CS, SS

Sizes: 1/8" or 1/4"

Handle: Round or Tee

Needle/Gauge Valve



Multiturn Valve with 1/4"NPT and Greater Connections

Designed for Installation with Instrumentation

Material: CS or SS

Sizes: 1/4" - 2"

Pigtail Siphons



Protects Instrumentation by Cooling Process in Steam Service

Material: CS or SS

Size: 1/4" or 1/2"

Design: 90°, 180°, 270°, 360°

Snubbers



Ideal to Reduce Affect of Pulsation on Instrumentation

Material: CS or SS

Size: 1/4" or 1/2"

Types: Filtered or Piston

Test Plug (P/T)



Quick Test Option Without Shutting Down Line

Size: 1/8", 1/4", 1/2"

Nordel Seals Standard

Material: Brass or Stainless Steel

Adaptors



Obtain the Desired Connection Size

Material: Brass or Stainless Steel

Threaded, Flanged, or Weld

Test Gauges



Digital Accuracy: $\pm 0.1\%$

Mechanical Accuracy: $\pm 0.25\%$

Standard Connection: 1/4"

Used to Test Instruments

General Purpose Digital Gauge



Simple, Accurate, Battery Powered Pressure Reading

Accuracy: $\pm 1\%$ or 0.5%

Standard AAA Battery

Backlight Standard

Test Kit



Standard with Carrying Case:

1 Mechanical or Digital Pressure Gauge

2 Pocket Thermometers

1 Test Probe

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