

# 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 $\Omega$   
 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

## Digital Thermometer



Accuracy: Less than  $\pm 1\%$   
 Sensing Element: RTD, type Pt1000 $\Omega$ , 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



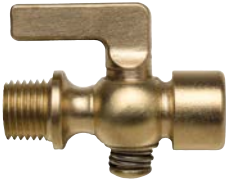
For Measuring 10" WC to 300"  
WC

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 1/4NPT 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

# REOTEMP

10656 Roselle Street  
San Diego, CA 92121

13770 Hollister Rd. STE 190  
Houston, TX 77086

sales@reotemp.com  
+1 (800) 648-7737

