

# SPECIALIZED AND GENERAL USE GAUGES





# Manifold Gauges

High visibility, colored temperature scales for accurate measurements.



# 3-1/8" (80 mm) DRY MANIFOLD GAUGES (°F and °C) RED, BLUE AND BLACK With 1% accuracy (Class 1) calibration

Large 3-1/8" gauges are housed in a red or blue steel case with front recalibrator screw. High visibility colored temperature scales are easy to read through the full view polycarbonate crystal.

- Flutterless™ technology with brass surge protector to minimize needle pulsation
- Brass gauge movement
- Copper alloy Bourdon tube
- 1/8" NPT Male connection
- Calibrated to 1% accuracy
- Color-coded red for pressure and blue for compound
- Color-coded refrigerant types

When a gauge has a **RETARD zone**, full scale is considered to be the last marked reading prior to entering the RETARD zone. For example, this gauge has a full scale reading of 120 psi. Gauge accuracy is not specified in the RETARD zone.



°F - Fahrenheit Gauges			
UPC#	Description	Pressure scale	Refrigerants
49103	3-1/8" Red pressure	0 - 500 psi	R-12/22/134a
49104	3-1/8" Blue compound	30"-0-120** psi	
49105	3-1/8" Red pressure	0 - 500 psi	R-22/134a/404A
49106	3-1/8" Blue compound	30"-0-120** psi	
49111	3-1/8" Red pressure	0 - 500 psi	R-417A/422A/422D
49112	3-1/8" Blue compound	30"-0-120** psi	
49133	3-1/8" Heat pump red dial	0 - 800 psi	R-22/407C/410A
49134	3-1/8" Heat pump blue dial	0 - 800 psi	
49137	3-1/8" Red pressure	0 - 800 psi	R-22/404A/410A
49138	3-1/8" Blue compound	30"-0-350*** psi	
49151	3-1/8" Red pressure	0 - 500 psi	R-134a/404A/407C
49152	3-1/8" Blue compound	30"-0-120** psi	
49157	3-1/8" Red pressure	0 - 800 psi	Pressure only
49158	3-1/8" Blue compound	0-55 bar	
49603	3-1/8" Red pressure	0 - 500 psi	R-448A/449A/452A
49604	3-1/8" Blue compound	30"-0-120** psi	
<b>Certified Gauges</b>			
49203	3-1/8" Red pressure	0 - 500 psi	R-12/22/134a
49204	3-1/8" Blue compound	30"-0-120** psi	
49205	3-1/8" Red pressure	0 - 500 psi	R-22/134a/404A
49206	3-1/8" Blue compound	30"-0-120** psi	
49237	3-1/8" Red pressure	0 - 800 psi	R-22/404A/410A
49238	3-1/8" Blue compound	30"-0-350*** psi	
49251	3-1/8" Red pressure	0 - 500 psi	R-134a/404A/407C
49252	3-1/8" Blue compound	30"-0-120** psi	

Universal Gauges (°F - Fahrenheit and °C - Celsius)			
UPC#	Description	Pressure scale	Refrigerants
49109	3-1/8" Red pressure	kPa and psi	R-32/410A
49110	3-1/8" Blue compound	kPa and psi	
49141	3-1/8" Heat pump red dial	0 - 800 psi	R-410A
49142	3-1/8" Heat pump blue dial	0 - 800 psi	
49155	3-1/8" Red pressure	bar, psi and kPa	R-32
49156	3-1/8" Blue compound	bar, psi and kPa	
49159	3-1/8" Red pressure	bar and psi	R-32/410A
49160	3-1/8" Blue compound	bar and psi	
49259	3-1/8" Red pressure	bar and psi	R-32/410A
49260	3-1/8" Blue compound	bar and psi	

°C - Celsius Gauges			
UPC#	Description	Pressure scale	Refrigerants
49107	3-1/8" Red pressure	kPa and psi	R-22/134a/404A
49108	3-1/8" Blue compound	kPa and psi	
49169	3-1/8" Red pressure	bar and psi	R-22/134a/404A
49170	3-1/8" Blue compound	bar and psi	
49131	3-1/8" Red pressure	bar and psi	R-134a/404A/407C
49132	3-1/8" Blue compound	bar and psi	
49139	3-1/8" Red pressure	psi	R-22/404A/410A
49140	3-1/8" Blue compound	psi	
49145	3-1/8" Red pressure	bar and psi	R-12/22/502
49146	3-1/8" Blue compound	bar and psi	
49147	3-1/8" Red pressure	MPa	R-32/410A
49148	3-1/8" Blue compound	MPa	
49163	3-1/8" Red pressure	bar and MPa	R-134a/404A/407C
49164	3-1/8" Blue compound	bar and MPa	
49165	3-1/8" Red pressure	bar and psi	R-12/134a/413A
49166	3-1/8" Blue compound	bar and psi	
49181	3-1/8" Red pressure	bar and psi	R-134a/404A/407F
49182	3-1/8" Blue compound	bar and psi	
49601	3-1/8" Red pressure	0 - 500 psi	R-448A/449A/452A
49602	3-1/8" Blue compound	30"-0-120** psi	
49149	3-1/8" Red pressure	0 - 160 psi	R-600a/600/290
49150	3-1/8" Blue compound	30"-0-58* psi	
<b>Certified Gauges</b>			
49231	3-1/8" Red pressure	bar and psi	R-134a/404A/407C
49232	3-1/8" Blue compound	bar and psi	
49245	3-1/8" Red pressure	bar and psi	R-12/22/502
49246	3-1/8" Blue compound	bar and psi	
49263	3-1/8" Red pressure	bar and MPa	R-134a/404A/407C
49264	3-1/8" Blue compound	bar and MPa	
49265	3-1/8" Red pressure	bar and psi	R-12/134a/413A
49266	3-1/8" Blue compound	bar and psi	
49269	3-1/8" Red pressure	bar and psi	R-22/134a/404A
49270	3-1/8" Blue compound	bar and psi	

\* Features retard protection to 101 psi.  
 \*\* Features retard protection to 350 psi.  
 \*\*\* Features retard protection to 500 psi.

Replacement Crystal - for 3 1/8" Gauges	
UPC#	Description
49100	Replacement crystal

## 3-1/2" (90 mm) LIQUID-FILLED MANIFOLD GAUGES (°F and °C) RED AND BLUE

With 1% accuracy (Class 1) calibration



Gauges are completely filled with glycerin for maximum protection from pulsation. Large 3-1/2" (90 mm) diameter gauge with refrigerants color-coded on the dials in bold numbers. Offset stem fits all major manifold brands.

- Now with zero adjustment
- 1/8" NPT Male connection
- Temperature rating of 0° to 122°F (-18° to 50°C)
- Calibrated to 1% accuracy (Class 1)



Universal Gauges (°F - Fahrenheit and °C - Celsius)			
UPC#	Description	Pressure scale	Refrigerants
49511	3-1/2" Red pressure	0-500 psi (0 to 34 bar)	R-22
49512	3-1/2" Blue compound	30"-0-120* psi (-1 to 8 bar)	
49519	3-1/2" Red pressure	0-800 psi (0 to 55 bar)	R-410A
49520	3-1/2" Blue compound	30"-0-300** psi (-1 to 21 bar)	
49193	3-1/2" Red pressure	0-3000 psi (0 to 210 bar)	R-744
49194	3-1/2" Blue compound	30"-0-1500 psi (-1 to 105 bar)	

°F - Fahrenheit Gauges			
UPC#	Description	Pressure scale	Refrigerants
49513	3-1/2" Red pressure	0-500 psi	R-22/134a/404A
49514	3-1/2" Blue compound	30"-0-120l psi	
49515	3-1/2" Red pressure	0-800 psi	R-22/410A
49516	3-1/2" Blue compound	30"-0-300** psi	
49517	3-1/2" Red pressure	0-500 psi	R-134a/404A/407C
49518	3-1/2" Blue compound	30"-0-120* psi	

°C - Celsius Gauges			
UPC#	Description	Pressure scale	Refrigerants
49521	3-1/2" Red pressure	0-500 psi (0 to 35 bar)	R-134a/404A/407C
49522	3-1/2" Blue compound	30"-0-116* psi (-1 to 8 bar)	

\*Features retard protection to 350 psi.  
\*\*Features retard protection to 500 psi.



## 2-1/2" (68 mm) MANIFOLD GAUGES (°F and °C) RED AND BLUE Class B



- Steel case with 3-2-3% accuracy
- High-visibility dials - colored temperature scales for easy reading;
- Flutterless™ technology surge protector minimizes the needle pulsation for improved accuracy
- 1/8" NPT Male connection

### Universal Gauges (°F - Fahrenheit and °C - Celsius)

UPC#	Description	Pressure scale	Refrigerants
49013	2-1/2" Red pressure	0 - 500 psi	R-134a
49014	2-1/2" Blue compound	30"-0-120** psi	
49035	2-1/2" Red pressure	0 - 800 psi/kg/cm <sup>2</sup>	R-410A
49036	2-1/2" Blue compound	30"-0-300*** psi/kg/cm <sup>2</sup>	
49053	2-1/2" Red pressure	0 - 55 bar (0-5.5 MPa)	R-410A
49054	2-1/2" Blue compound	-1 - 21 bar* (-0.1 - 2.1 MPa)	

### °F - Fahrenheit Gauges

UPC#	Description	Pressure scale	Refrigerants
49001	2-1/2" Red pressure	0 - 500 psi	R-12/22/502
49002	2-1/2" Blue compound	30"-0-120** psi	
49015	2-1/2" Red pressure	0 - 500 psi	R-22/134a/404A
49016	2-1/2" Blue compound	30"-0-120** psi	
49051	2-1/2" Red pressure	0 - 500 psi	R-134a/404A/507
49052	2-1/2" Blue compound	30"-0-120** psi	

### °C - Celsius Gauges

UPC#	Description	Pressure scale	Refrigerants
49027	2-1/2" Red pressure	kg/cm <sup>2</sup> and psi	R-12/22/502
49028	2-1/2" Blue compound	kg/cm <sup>2</sup> and psi	
49031	2-1/2" Red pressure	bar and psi	R-22/134a/407C
49032	2-1/2" Blue compound	bar and psi	
49033	2-1/2" Red pressure	bar and psi	R-22/134a/404A
49034	2-1/2" Blue compound	bar and psi	
49055	2-1/2" Red pressure	bar and psi	R-134a/404A/507
49056	2-1/2" Blue compound	bar and psi	
49057	2-1/2" Red pressure	kg/cm <sup>2</sup> and psi	R-134a/404A/507
49058	2-1/2" Blue compound	kg/cm <sup>2</sup> and psi	
49063	2-1/2" Red pressure	bar and psi	R-134a/404A/407C
49064	2-1/2" Blue compound	bar and psi	

\* Features retard protection to 35 bar  
\*\* Features retard protection to 350 psi.  
\*\*\* Features retard protection to 500 psi.  
Note: Small screw in back is 6/32" x 5/32" Phillips pan head screw.  
Note: Gauges not meant to be used with nitrogen.

### Replacement Crystal - for 2 1/2" Gauges

UPC#	Description
49010	Replacement crystal

## DIGITAL MANIFOLD GAUGE (°F and °C) For Series 41 Digital Manifold

3-1/8" backlit LCD gauges provide easy-to-read accurate measurements for system pressures. This gauge is capable of handling maximum pressures of 800 psi, so there are no worries about over-pressurizing. The YELLOW JACKET Digital gauges provide clear, swift and accurate pressure measurements for all your system applications. Pre-programmed with 21 of the most common refrigerants.

### Refrigerants

R-22, R-23, R-32, R-124, R-134A, R-290, R-404A, R-407C, R-407F, R-408A, R-410A, R-417A, R-427A, R-444B, R-448A, R-449A, R-452A, R-507, R-600A, R-1234YF, R1270

UPC#	Description
49017	Series 41 digital manifold


### Gauge Specifications

- Pressure Range: -14.7 ~ 800 psi (-1 ~ 54.4 bar)
- Unit (Pressure): psi / bar / MPa / kg/cm2 / kPa
- Working Temperature: 14°F ~ 140°F (-10°C ~ 60°C)
- Pressure Accuracy: ±0.5% F.S @71.6~82.4°F (@22~28°C)
- Unit (Temperature): °F/°C
- Working Humidity: 35~85%
- Sampling Rate = 1.2 sec max.
- Auto-off: 10 minutes
- Zero pressure function
- Power Supply: Battery CR123A (3.0V, 1400mAh)
- Battery Life: 2 years for continuous operation without backlight
- Warranty: One year



## HEAVY DUTY 2-1/2" BRASS MANIFOLD GAUGES (°F and °C) With 1% accuracy (Class 1) calibration



Solid brass case and premium movements. Heavy duty phosphor bronze and stainless steel internal components for longer service life under severe use.  **MADE IN THE USA**

- Flutterless™ technology with brass surge protector to minimize needle pulsation
- 1/8" NPT Male connection
- Calibrated to 1% accuracy
- Full view glass crystal


UPC#	Description	Pressure scale	Refrigerants
49067	°F Brass pressure	0 - 500 psi	R-22/134a/404A
49068	°F Brass compound	30"-0-120" psi	
<b>Certified Gauges</b>			
49199	2-1/2" Brass pressure	0 - 500 psi	R-22/134a/404A
49200	2-1/2" Brass compound	30"-0-120" psi	
49010	Replacement crystal (polycarbonate) for old 49011, 49012		
49039	Glass crystal for brass gauge		
49040	Brass gauge ring		

\*Features retard protection to 350 psi.  
Note: Gauges are not meant to be used with nitrogen.

## PROTECTIVE GAUGE BOOTS For 2-1/2" (63.5 mm), 3-1/8" (80 mm)



Rubber boots slip easily around gauges to cushion and protect them from impact.

- Fit 2-1/2" and 3-1/8" gauges without covering easy access recalibration screw
- Color-coded red or blue to match gauge
- Made in the USA 

UPC#	Description
49010	2-1/2" Polycarbonate Lens
49090	2-1/2" Set of gauge boots
49091	2-1/2" Red protective gauge boot
49092	2-1/2" Blue protective gauge boot
49100	3-1/8" Replacement Crystal
49190	3-1/8" Set of gauge boots
49191	3-1/8" Red protective gauge boot
49192	3-1/8" Blue protective gauge boot



## 3-1/8" MECHANICAL VACUUM GAUGES



Full range mechanical Bourdon tube steel gauges for determining system vacuum is more accurate than a compound gauge. All gauges are 1/8" NPT Male bottom connection.

- Larger to show vacuum more accurately in inches of mercury and Torr (or millibar)

**CAUTION:** Vacuum gauges must be handled carefully. Dropping, pressurizing and rough handling reduce their life.

UPC#	Size	Scale	Connection	Case
69044	3-1/8"	0-30" Hg & 760-0 Torr	1/8" NPT Male lower	Green
69045	3-1/8"	1000-0 millibar & 30-0" (Euro)	1/8" NPT Male lower	Green
49100	3-1/8"	Replacement crystal		

## LOW PRESSURE DIAPHRAGM 2-1/2" GAUGES



- The bronze diaphragm is designed for better protection on incidental overpressure
- Intended for low pressure applications only
- Black steel case
- Cannot be recalibrated

UPC#	Description	Range
78056	2-1/2" Barb type connection	0-10" W.C.
78061	2-1/2" Barb type connection	0-35" W.C.
78057	2-1/2" 1/4" NPT Male connection	0-10" W.C.
78066	2-1/2" 1/4" NPT Male connection	0-35" W.C.

## 2-1/2" AMMONIA GAUGES With dual scale



Ammonia gauges are designed for use on manifolds and as permanent gauges on any system or equipment charged with ammonia. The Bourdon tube is made of 316 stainless. The dials show dual temperature and pressure scales. All gauges are equipped with restrictors to protect the gauges against pulsating pressure.

- 1/4" NPT Male connection
- Black steel gauges
- Steel sockets
- Calibrated to 3-2-3% accuracy

UPC #	Description	Range
40201	2-1/2" Gauge with twist on polycarbonate crystal	30" - 0 - 400 psi °F and -0.1-0-28 bar °C
40202	2-1/2" Gauge with twist on polycarbonate crystal	30" - 0 - 150 psi °F and -0.1-0-10 bar °C
49010	2-1/2" Replacement crystal	