

# DIGITAL REFRIGERANT GAUGE

## ⚠ WARNING ⚠



• Wear safety goggles when working with refrigerants. Refrigerants can cause eye injury.



• Disconnect hoses using extreme caution. Pressurized refrigerant may be present in hoses. Point hoses away from you and anyone nearby.

## Instructions

This product is a convertible pressure gauge that measures pressure and then displays results and temperature on the LCD.

### Setup

1. Press and hold the **ON / TARE** button for two seconds. All positions on the gauge are illuminated for two seconds.

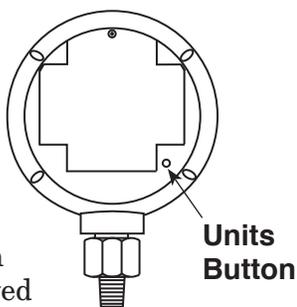


2. The gauge must be calibrated before use. With the gauge turned ON and no pressure applied, press the **ON / TARE** button two times. The gauge displays **0.0**, and is now calibrated and ready for use.



*Note: If **0.0** does not appear on the display, the calibration procedure was not successful. Turn OFF the gauge by pressing and holding the **ON / TARE** button for two seconds. Press the **ON / TARE** button again to turn the gauge ON and recalibrate (repeat Step 2). It may be necessary to repeat this procedure until the gauge is calibrated.*

3. Select unit of measure by first removing the rubber boot from around the gauge. Use the tip of a pencil to press the units button while watching the LCD display. Pause when the correct unit is displayed on the gauge face.



4. Select unit of temperature by using the tip of a pencil to press the units button on the back of the gauge for two seconds until the temperature indicator on the LCD begins to flash. The gauge is now in temperature unit selection mode.

Press the units button again to cycle between between Celsius or Fahrenheit. Once the desired selection has been made, press and hold the units button again for two seconds until the indicator on the LCD begins to flash. This exits temperature unit selection mode. Pressing the units button now will adjust the pressure units displayed on the LCD.

### Installing the Gauge

1. Press and hold the **ON / TARE** button for two seconds to turn the gauge OFF before installation.
2. Install the gauge by using a wrench on the gauge's brass fitting. **CAUTION: Do NOT tighten the gauge by hand; this will damage the gauge and void warranty.**
3. Press the **ON / TARE** button. All positions on the gauge illuminate for two seconds; then the display changes to the last stored features (units of pressure / temperature and type of refrigerant) along with the current pressure and temperature reading.



4. Select type of refrigerant by pressing the **R** button to scroll through the choices. Pause when the correct refrigerant is displayed on the gauge face.

To display only pressure, scroll through the refrigerants until ---- is displayed.

*Note: When a refrigerant is chosen, if pressure is higher or lower than what is defined for that type of refrigerant, the gauge displays **Or** in the temperature field. "Or" = out of range.*

5. When testing is complete, turn OFF the gauge by pressing and holding the **ON / TARE** button for two seconds.

If left ON, the gauge automatically shuts OFF after 10 minutes of displaying a stable pressure reading.

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## Specifications

<b>Operating Temperature</b>	0°C ~ 50°C; 32°F ~ 122°F
<b>Storage Temperature</b>	-20°C ~ 70°C; -4°F ~ 158°F
<b>Measurement Units</b>	psi; BAR; kPa; mPa; kg/cm <sup>2</sup> °C (Celsius); °F (Fahrenheit)
<b>Operating Range</b>	
Low Pressure Gauge	30~0 inHg, 0~350 psi, -1~23.8 BAR, -100~2413 kPa, -0.1~2.413 mPa, -1~24.6 kg/cm <sup>2</sup>
High Pressure Gauge	30~0 inHg, 0~800 psi, -1~55.15 BAR, -100~5515 kPa, -0.1~5.515 mPa, -1~56.25 kg/cm <sup>2</sup>
<b>Accuracy</b>	
Low Pressure Gauge	± 1% FSO ±1 LSD
High Pressure Gauge	± 1.2% FSO ±1 LSD for 0~500 psi range ± 5% FSO ±1 LSD for 500~800 psi range
Both Gauges	±10% of reading for 30~0 inHg
<b>Resolution</b>	
Low Pressure Gauge	0.2 psi; 0.05 BAR; 1 kPa; 0.05 kg/cm <sup>2</sup>
High Pressure Gauge	0.5 psi; 0.05 BAR; 5 kPa; 0.05 kg/cm <sup>2</sup>
Temperature	1°C / 1°F
<b>Display</b>	Positive LCD 50 mm x 30 mm w/ blue backlight (backlight has 30-second auto-shutoff)
<b>Power Requirement</b>	Three 1.5V AAA alkaline batteries
<b>Battery Life</b>	140 hours without backlight use
<b>ESD</b>	Contact at ± 4 kV; air discharge at ± 8 kV
<b>Battery Indicator</b>	

FSO = Full Scale Output  
LSD = Least Significant Digit

## Warranty

*This product is covered by a One-Year Limited Warranty. We guarantee the product to be free from defects in material and workmanship under normal use and service for one year from the date of sale. See a distributor for details.*



For more information, call **TOLL-FREE**  
1-800-822-5561 in the continental U.S.  
and Canada. In all other locations, contact your  
local distributor.

Because of ongoing product improvements, we reserve the right to change design, specifications, and materials without notice.

# ROBINAIR

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