ROBINAIR

DIGITAL VACUUM GAUGE

AC/Refrigeration System Evacuation

EASY AS 1-2-3

GENUINE ROBINAIR TOOLS

Connect, Measure, Test

Robinair proudly introduces one of the most sophisticated Digital Micron (vacuum) Gauges available for field service. Packaged in the same convenient case as our successful Digital Pressure gauges, this stand alone gauge is compact and can be used anywhere.

The RAVG-1 employs a sophisticated MEMS Pirani type sensor that directly measures flow. Unlike all other field service gauges on the market, the RAVG-1 is NOT affected by temperature.

The RAVG-1 measures vacuum from Atmosphere to 10 microns in 6 different scales, and can withstand overpressure beyond 30 bar. The unit employs an industry first multi-color backlight that functions as an instant go/no go indicator of acceptable vacuum or leakage.

FEATURES

- High Resolution and unique backlight indicator make precision readings easy
- Patent Pending design, employs a sophisticated MEMS Pirani sensor
- Range from Atmosphere down to 10 microns
- Measure vacuum in Microns, mmHg, inHg, mBar, Pascals or Torr
- Extremely accurate at low micron levels
- Impact and water resistant case with protective Rubber boot
- Rapid response to changes in vacuum
- Large easy to read 5 digit display
- Auto shut off feature prolongs battery life
- Battery powered
- Integrated “magnetic” hook
- Includes carrying case and tee adapters or in-line connections (1/4" MFL x 1/4" MFL and 1/4" FFL x 1/4" MFL versions)

3 color backlight display.

ROBINAIR

DIGITAL VACUUM GAUGE

AC/Refrigeration System Evacuation

First time introduction:
3 color backlight display offers at one glance the vacuum process status

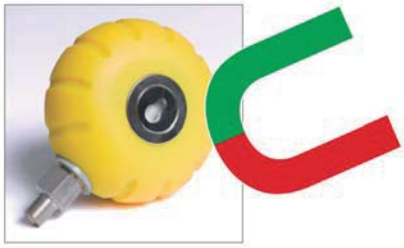
1. Yellow
Decreasing Vacuum (-Measurement)

2. Green
Correct Vacuum is achieved

3. Red
Moisture or a Leak

RAVG-1 Specifications	
Operating Range	Atmosphere to 10 Microns
Resolution	As low as 5 Microns/ 0.005mmHg/0.002inHg/ 0.007mBar/0.66Pa/0.005Torr
Accuracy	As low as +/- 5 % of RDG
Over pressure	~ 31 Bar/450 psi
Measuring Units	Microns/mmHg/inHg/ mBar/Pa/Torr
Display	5 digit STN LCD, 50 x 30 mm with tricolor LED backlight
Power Supply	3 x size "AAA" 1,5 V Batteries
Input Connection	1/8"-27 NPT Male

Highlight:
Integrated "Magnetic Hook" or connect to a manifold.



Easy as 1 - 2 - 3

Robinair introduces industry-first multicolor backlight on new RAVG-1 Digital Micron Gauge in North America

- Industry-first multicolor backlight provides instant status indicator
- RAVG-1 Digital Micron Gauge uses microelectromechanical sensor (MEMS) Pirani type sensor to directly and accurately measure vacuum level
- Gauge unaffected by outside temperature

OWATONNA, Minn., – Robinair has released the RAVG-1 Digital Micron Gauge with industry-first multicolor backlight providing an instant indicator of acceptable vacuum or leakage. The backlight shows green, yellow or red for faster reading and diagnosis of an A/C system , indicating a system leak or proper vacuum.

The patent-pending design employs a sophisticated microelectromechanical sensor (MEMS) Pirani type sensor with ability to read Atmosphere down to 10 microns. The gauge can measure vacuum pressure in microns, mmHg, inHg, mBar, Pascals or Torr for near-universal applications, and is encased in an impact and water resistant case with a protective rubber boot.

“This gauge will be used in some extreme environments and condition, and is the only one on the market unaffected by temperature, vital to providing accurate readings and performance,” said Tim Wagaman, Robinair Product Manager. “Coupled with the color-coded backlit display, RAVG-1 will provide a quick and easy indication of system evacuation status.”

Robinair’s RAVG-1 kit includes carrying case and tee adapters or inline connectors (1/4” MFL x ¼” MFL and ¼” FFL x ¼” MFL versions.) Secured by a magnetic hook or manifold connection, the large display will always be accessible and in view when in use, allowing for faster testing and readouts. Battery power eliminates the need for cumbersome cables while automatic shutoff helps prolong battery life.