

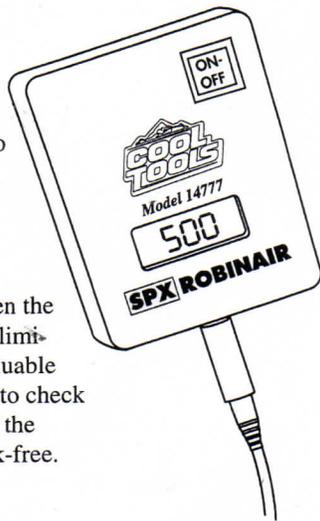
Compact Electronic Vacuum Gauge

Model 14777 Instruction Sheet

Description

The 14777 Electronic Vacuum Gauge has been designed to be used with high vacuum pumps to accurately measure vacuum level in microns during evacuation of A/C and refrigeration systems.

This unit indicates precisely when the system is free of air and water, eliminating guesswork and saving valuable service time. It can also be used to check for leaks without precharging; if the system holds a vacuum, it is leak-free.



Power Supply

Battery powered and small enough to fit in your shirt pocket. The sensor is independent of the base unit to allow for easy connections and replacement if necessary.

LCD Range and Tolerance

The 14777 uses the micron scale, the most accurate indicator of vacuum, measuring from atmosphere to 10 microns. Micron readings are shown on a custom LCD.

20,000 microns	±5,000 microns
2,500 microns	±500 microns
1,300 microns	±100 microns
1,000 microns	±100 microns
700 microns	±100 microns
400 microns	±50 microns
275 microns	±25 microns
200 microns	±25 microns
100 microns	±10 microns
50 microns	±5 microns

Operating Instructions

1. Install the 9-volt battery by removing the back cover, and connecting the battery terminal. Reinstall back cover.
2. Connect the vacuum sensor cable to the base unit. Verify correct pin orientation when installing.
3. Connect the thermistor sensor to the low-side access port or suitable location.

IMPORTANT: Before attaching the thermistor to the system, depressurize system. Damage to the sensor may occur if the connection is made while the system is pressurized.

4. Turn the power ON, and allow one minute for the unit to warm up.
5. Monitor the LCD window for vacuum level being achieved.
6. Begin evacuating according to the system manufacturer's specifications. As the system is pumped down, the display will show the micron level being achieved.

IMPORTANT: To prevent damage to the gauge, close any valve between the gauge and the pump when you finish the evacuation cycle during equipment shutdown.

Maintenance

1. "LOW BATTERY" will flash on the display when the battery needs to be replaced. Replace battery as soon as possible.
2. If the sensor acquires an oil film, flush the interior with rubbing alcohol and allow to air dry.
3. If the unit is not going to be used for an extended period of time, remove the battery to eliminate possible battery damage due to leakage.
4. The panel may be cleaned with a damp cloth. DO NOT use harsh solvents or chemicals to clean.

For assistance, visit our web site at
www.robinair.com
or call our Toll-Free Technical Support Line at
800-822-5561
in the continental U.S. and Canada.
All other locations, contact your nearest distributor.

SPX ROBINAIR

SPX Corporation
655 Eisenhower Drive
Owatonna, MN 55060-0995 USA
Technical Services: 1-800-822-5561
Fax: 1-800-822-7805
Customer Service: 1-800-533-6127
Fax: 1-800-322-2890
Web Site: www.robinair.com