YELLOW JACKET® eVac Pro Digital Micron Gauge

eVac Pro (69051)

eVac II (69048)

eVac I (69047)

The eVac Pro has all the features of the eVac II, with the addition of the following:

Units - The eVac Pro includes two additional pressure display units: PSI and InHg (inches of mercury). PSI units are "absolute pressure" -- 0 PSI = 0 microns. InHg units are "gauge pressure" -- -29.921 inHg = 0 Microns. Change the display units by repeatedly pressing the "UNITS" key.

Evacuation Progress Indicator - The analog bar graph now doubles as a evacuation progress indicator when the pressure is greater than 25,000 microns (when the display reads Hi-P). At ATM, all 10 bars are illuminated. They progressively drop as the pressure drops from ATM to 25,000 microns, at which time they switch to the standard bar graph as in the eVac II. This allows the technician to ensure that evacuation is progressing on large volume systems where it may take considerable time before 25,000 microns is attained.

Saturation Temperature Display - In addition to temperature and leak rate, the alternate display can also now show the saturation temperature of water vapor at the current displayed pressure. This is the temperature at which water will boil at the current pressure. This allows the technician to ensure that he has achieved sufficient vacuum to boil water at the current ambient temperature, and also allows him to modulate the pressure so as to avoid the freezing of a heavily moisture contaminated volume. Repeatedly pressing the "MODE" key toggles between ambient temperature, leak rate, and saturation temperature. As on the eVac II, the saturation temperature (and ambient temperature) units can be set to fahrenheit or celcuis by pressing and holding the "UNITS" key.

Leak Rate Units - The eVac Pro will display leak rates in units/second or units/minute. Pressing and holding the UNITS key while displaying the leak rate will toggle between per minute and per second. In the per minute leak rate mode, leak rates as small as 1 micron per minute can be detected reliably.

Two Programming Modes - In addition to the standard Evacuation Timer (Programming Mode) of the eVac II, the eVac Pro has an additional Rise Time Timer and Analyzer. The Rise Time Analyzer works by monitoring the rate of rise of vacuum and making a forward-looking determination that the future pressure will not exceed the Rise Time Pressure Threshold over the course of the preset Rise Time time period.

Vacuum Rise Time Analyzer - This feature allows fast and consistant rise time analysis after evacuation. The analyzer predicts future pressure vs. time to provided a PASS/FAIL indication of acceptable rise rate in as little as 15 seconds. This feature can cut as much as an hour or more from the evacuation/rise time procedure, increasing contractor productivity substantially. The Rise Time Analysis is programmable for both time and pressure, and, once initiated, runs autonomously without operator intervention. An audible/visual alarm indicates analysis completion, along with a PASS/FAIL message to indicate the analysis results.

14-W1 Price List	1-11	12&Up
69047 eVac I Digital Vacuum Gauge	128.74	120.70
69048 eVac II Programmable Digital Vacuum Gauge	175.36	164.40
69051 eVac Pro Digital Vacuum Gauge	217.76	204.15