

Field Analysis Vacuum Meter

Rugged, Feature-Rich Portable Vacuum Gauge

Specifications	
Power:	4-AA Alkaline Batteries or Micro-B USB
Vacuum Interface:	1/8" Male NPT
Sensor:	Thermocouple Vacuum Gauge Tube
Range:	1 to 800,000 microns
Units:	Microns, millitorr, torr, mm of Hg, mbar Bar, kPa, Pa, PSIA, in Hg, in H2O
Accuracy:	1~99 millitorr +/- 2 millitorr or 20% 100~2000 millitorr +/- 10% 2 ~ 6 Torr +/- 25% 6~250 Torr Continuous and monotonic 250 ~ 800 Torr +/- 25%
Mount	Portable Handheld
Wetted Parts:	Nickel, Glass, Thermocouple
Set Points:	Audible alarm (buzzer)

Verify components

- ✓ Handheld Controller with LED backlit Graphic Display
- ✓ Thermocouple Vacuum Gauge Tube
- ✓ 4 AA Alkaline Batteries

Quick Install Instructions

- ✓ Install Batteries, Press the POWER button, and verify that the display lights up
- ✓ Plumb the Thermocouple sensor into your vacuum system, with the pipe threads facing down, and the octal pins facing up
- ✓ Connect the octal end to the sensor cable to the vacuum sensor

Check Readings

- ✓ Verify that the readings make sense. For example, a chamber exposed to atmosphere at sea level might have a reading of 600-760 torr

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Calibration Points and Reference

ALL INSTRUMENTS ARE CALIBRATED AGAINST A NIST STANDARD AND MEET OR EXCEED TOLERANCES

Primary Standards	S/N	Cal. Due	NIST std S/N	Type
FLUKE 87V	#30080454	06/2016	591253	RMS Multimeter
GP 375001-00-T	#375B0619	10/2016	000040312	Gauge, Convectron
SETRA 730G10	4803149	10/2016	000040343	Baratron, ABS Pressure

Formal NIST Certification with Data of a Particular Gauge is Available at an Additional Charge

Reading (STD)	Tolerance	In Tolerance? Outgoing	Comments
2.0 mT	± 2 mT	Yes	Microns/Convectron
25.0 mT	± 20% RDG	Yes	Microns/Convectron
500 mT	± 10% RDG	Yes	Microns/Convectron
1.00 Torr	± 25% RDG	Yes	Microns/Baratron
300 Torr	± 25% RDG	Yes	Microns/Baratron
600 Torr	± 25% RDG	Yes	Microns/Baratron

STANDARDS AND INSTRUMENTS USED IN THE PERFORMANCE OF CALIBRATIONS BY LESKER ARE MAINTAINED IN CURRENT CALIBRATION IN AN UNBROKEN CHAIN BACK TO THE STANDARDS MAINTAINED BY THE NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY (N.I.S.T., GAITHERSBURG, MD, USA).

For Full Instruction Manual: <http://www.fieldanalysisvacuummeter.com>