



Membrane Vented

Membrane Vented Vacuum Gauges are water tight, dust proof, shock resistant, and have a shatterproof face.

Specifications –

- DIAL SIZE: 2.5 in. (63 mm)
- CASE: AISI 304 Stainless steel membrane vented case with IP 67 protection degree
- WINDOW: Polycarbonate with EPDM gasket seal,
- DIAL: Scale of 0-100 cb (kPa), white with contrasting green markings.
- ACCURACY: $\pm 3-2-3\%$ of span ASME B40.1 Grade B
- MECHANISM: Bronze Bourdon Tube with brass and stainless steel internals
- CONNECTION: Standard 1/4 in. NPT– Brass Bottom Mount
- OPERATING TEMPERATURE: -40° to 150° F (-40° to 65° C), 32° to 150° F (0° to 65° C) for water service

Available in two vacuum ranges listed.

- 100 kPa = 30 inches of mercury
- 40 kPa = 12 inches of mercury

Available private labeled with custom printed faces upon request (*minimum applies*).



The IRROMETER Company has been a leading manufacturer of pressure and vacuum gauges for over sixty years. We warrant these gauges to be dust proof and rust proof. Our gauges are built to give long and continuous service under conditions which ordinary gauges would last only months. They feature a membrane vent for temperature and elevation compensation.

Gauge part numbering nomenclature for ordering:

	1008
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Vacuum Gauge: _____ ↑

1008 — 100 kPa
1008-LT — 40 kPa

SPECIFICATION INFO: Gauge shall have brass connection with all brass and stainless steel internal components, bronze Bourdon tube, clear polycarbonate face with stainless steel cover and be vented to atmosphere to provide temperature and elevation related compensation with IP67 protection.

AUTOMATION and OUTPUT OPTIONS

Option “A” — Automatic IRROMETER

Operating Principle: “A” Series Automatic Switches are designed for use on IRROMETER instruments and provide direct switching capabilities in addition to indicating soil moisture status. Soil water tension readings greater than the moisture set point can activate an irrigation valve solenoid, time clock or warning device. A switch mechanism is mounted on the tee fitting between the gauge and the instrument body and can be adjusted to the desired set point. The gauge reads in centibars (cb) or kilopascals (kPa) of soil water tension.

Specifications:

Brass switch housing with adjustment screw and 18 inch flying lead wires

WEIGHT: 0.15 lbs (0.07 kg)

RANGE: 10 to 95 centibar (kPa) with less than 10% of actuation point differential

OPERATING TEMPERATURE: 32° to 150° F (0° to 66° C)

MECHANISM: SPST Creep action switch with Buna-N diaphragm, closed at and drier than set point, rated for 1,000,000 cycles

CONNECTION: 1/4 inch brass male NPT with tee and gauge, for Models R, S, SR, LT, MLT, TG

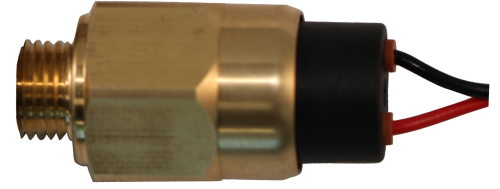
SWITCH RATING: 24 VAC 4 amp maximum. Includes 18 inch (45 cm) AWG 18 wire leads (2)

DIMENSIONS: 1.64 inch (41.6 mm) body
0.94 inch (23.8 mm) hex

REPEATABILITY CATEGORY: ± 3% of full set point range at 70°F (21°C)
Ambient Temperature

PROTECTION CATEGORY: IP 67, CE marked, RoHS compliant

Compatible with any 24 volt AC valve system and DC controllers with a sensor circuit



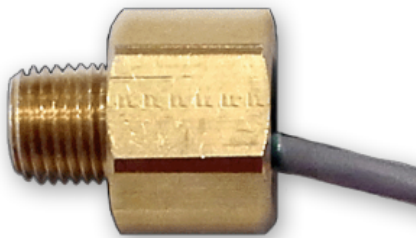
Features

- Automates IRROMETER instruments to activate switch at moisture set point
- Available for AC or DC circuits
- Available with switch closed past setting
- Sealed to prevent contamination from dirt and moisture

The Automatic Vacuum Switch (AVS) provides direct switching capabilities thereby allowing the user to control irrigation events. The switch can control a single valve, a group of valves, or the entire irrigation controller. Ideal for managing irrigation based on soil moisture depletion.

Specification Information:

The Automatic Vacuum Switch shall be sealed from moisture and dirt. Component shall have direct switching capabilities in order to initiate an irrigation event, interrupt an irrigation event, or activate a warning system. It shall be the Automatic Vacuum Switch as manufactured by The IRROMETER Company, Inc. of Riverside, California.



“RSU-V” — Voltage Output Transducer

Operating Principle: “V” Series Voltage Transducer provides a linear voltage output of vacuum in the 0 to 94 kPa range. The voltage output can be easily read by most brands of data loggers such as the WATERMARK Monitor.

Specifications:

Output Voltage 0.5 - 4.5 V, 2.5 mA
RoHS compliant

WEIGHT: 2.16 oz. (61.22 g)

OPERATING TEMPERATURE: 32° to 150° F (0° to 66° C)

ACCURACY: ± 2% of Full Scale

CONNECTION: 1/4 in. NPT brass
for Models R, S, SR, LT, TG

SUPPLY CURRENT: 10 mA

SUPPLY VOLTAGE: 5V (+/- .5V)

Includes 36 in. (90 cm) 3 conductor AWG 22 cable

Compatible with IRROMETER Monitor Models 900 and other brands of dataloggers that read a voltage signal.

Features

- Low cost voltage output/input transducer
- Voltage output signal can be read by most brands and types of data logging equipment
- Temperature compensated
- Available in 0-94 cb (kPa) range
- Designed for limited wiring distances

Specification Information:

The Remote Sensing Unit with Voltage output (RSU-V) shall read in centibars (cb) kilopascals (kPa) of vacuum and be powered with a regulated 5 volt DC supply. It shall be the Model RSU-V as manufactured by The IRROMETER Company, Inc. of Riverside, California.

IRROMETER®

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