

IRROMETER®

Hermetically Sealed

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

Specifications –

DIAL SIZE: 2 in. (50 mm)

CASE: Hermetically sealed thermo plastic rubber (TPR)

WINDOW: Inner – Polycarbonate, Outer – Butyrate

DIAL: Centibar/kPa scale, white with contrasting green markings

ACCURACY: $\pm 3-2-3\%$ of span ASME B40.1 Grade B

MECHANISM: Bronze Bourdon tube

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 sealed pressure and vacuum gauges for over sixty years. We warrant these gauges to be water tight, dust proof and rust proof. Our gauges are built to give long and continuous service under conditions in which ordinary gauges would last only months.

Gauge part numbering
nomenclature for ordering:

1008

Vacuum Gauge: _____

1008 — 100 kPa

1008LT — 40 kPa

SPECIFICATION INFO: Gauge shall have brass connection with nylon gear, phosphorus bronze Bourdon tube, clear butyrate outer face, polycarbonate internal face and be hermetically sealed with a thermo plastic rubber (TPR) cover. It shall be the Hermetically Sealed Vacuum Gauge as manufactured by The IRROMETER Company of Riverside, California.

AUTOMATION and OUTPUT OPTIONS

Option “A” — Automatic Vacuum Gauge

OPERATING PRINCIPLE: Option “A” is a vacuum gauge with direct switching capabilities. Adjustable vacuum selector switch may be set to any desired vacuum setting. The switch will be closed past the setting to actuate connected device. Switch available for AC or DC power and also in Reverse switch action (open past the setting).

Specifications –

DIAL SIZE: 2 in. (50 mm)

CASE: Hermetically sealed thermo plastic rubber (TPR)

WINDOW: Inner – Polycarbonate, Outer – Butyrate

DIAL: Centibar/kPa scale, white with contrasting green markings

ACCURACY: $\pm 3-2-3\%$ of span ASME B40.1 Grade B

MECHANISM: Bronze Bourdon tube

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.

ELECTRONIC CHARACTERISTICS: 30 volt AC/DC, .4 amp maximum. Includes 16 in. (40 cm) AWG 18 cable

Available in two vacuum ranges listed.

100 kPa = 30 inches of mercury

40 kPa = 12 inches of mercury

SPECIFICATION INFO: The Automatic Vacuum Gauge shall read in centibars/kPa and be hermetically sealed from moisture and dirt. Gauge shall have direct switching capabilities in order to activate a connected device. It shall be the Automatic Vacuum Gauge as manufactured by The IRROMETER Company of Riverside, California.

Gauge part numbering nomenclature for ordering:

Vacuum Gauge

1008 — 100 kPa

1008LT — 40 kPa

Output Options (choose only one):

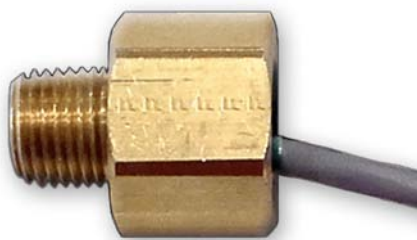
w/AC switch closed past setting –AAS

w/AC switch open past setting –AAR

w/DC switch closed past setting –ADS

w/DC switch open past setting –ADR

For example a 1008 vacuum gauge with the range of 100 kPa plus switching output is 1008-AAS



“RSU-V” — Voltage Output Transducer

Operating Principle: “V” Series Voltage Transducer provides a linear voltage output of vacuum in the 0 to 93 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: $\pm 2\%$ 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 0-100 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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