





## Available in 3 Ranges

- 1 mTorr to Atmosphere Convection Gauge
- 1 to 2000 mTorr & .01 to 20 Torr Pirani Gauges
- Linear 0 to 10 VDC and 4-20 mA Outputs
- Power Required 12 to 35 Volt DC, 200 mA
- Dust and Splashproof Enclosure Rated IP-65

### Convection Gauge 1 mTorr to Atmosphere

#### Specifications

**Measurement Range:** 1 milliTorr to Atmos. (.001 to 1,000 mbar, and 0.1 to 100,000 Pa)  
**Calibration:** Air or Nitrogen.  
**Resolution:** ± 3 milliTorr from 1 to 50 milliTorr; or 5% of full scale.  
**Response Time:** Less than 1 sec. for 90% of an increase in pressure, less than 4 secs. for a decrease in pressure from atmosphere to 1 mT.  
**Power:** 12 to 35 volt DC; less than 200 mA.  
**Analog Output:** 0 to 10 VDC, non-linear standard. Linear 0-10 V & 4-20 mA optional.  
**Temperature Effects:** Automatic compensation from 0° to 35 °C.  
**Bake Out Temperature:** Gauge can be baked to 100 °C (212 °F) in air or vacuum.  
**Vacuum Connection:** 1/4 NPT male. Others such as NW, VCR and 1/2" O.D. tube available.  
**Dimensions:** Enclosure 3 X 3 X 2 In. 1/4 In. NPT vacuum connection is 1 5/8 In. (41 mm) long.  
**Mounting:** Gauge can be supported by the vacuum connection. Axis of vacuum connection must be horizontal.  
**Net Wt.:** 0.75 lb. (0.3 kg) **Ship:** 1 lb. (0.45 kg)

### Pirani Gauge 1 to 2000 milliTorr

#### Specifications

**Measurement Range:** 1 to 2000 milliTorr (.001 to 2 mbar, and 0.1 to 200 Pa)  
**Calibration:** Air or Nitrogen.  
**Accuracy:** Better than 5% of value or ± 3 mTorr, whichever is larger.  
**Response Time:** 0.3 second time constant.  
**Power:** 12 to 35 volt DC; less than 200 mA.  
**Analog Output:** 0 to 10 VDC, non-linear standard. Linear 0-10 V & 4-20 mA optional.  
**Temperature Effects:** Changes in ambient temperature between 0 °C and 50 °C change the reading less than 0.2 mT per °C at 50 mT; less than 4 mT per °C at 900 mT.  
**Bakeout Temperature:** Gauge can be baked to 100 °C (212 °F) in air or vacuum.  
**Vacuum Connection:** 1/4 NPT male. Others such as NW, VCR and 1/2" O.D. tube available.  
**Dimensions:** Enclosure 3 X 3 X 2 In. (76 X 76 X 50 mm) 1/4 In. NPT vacuum connection is 1 5/8 In. (41 mm) long.  
**Mounting:** Gauge can be supported by the vacuum connection and oriented in any plane.  
**Net Wt.:** 0.75 lb. (0.3 kg) **Ship:** 1 lb. (0.45 kg)

### Pirani Gauge .01 to 20 Torr

#### Specifications

**Measurement Range:** 0.01 to 20 Torr (.01 to 20 mbar, and 1 to 2000 Pa)  
**Calibration:** Air or Nitrogen.  
**Accuracy:** Better than 5% of value or ± 0.03 Torr, whichever is larger.  
**Response Time:** 0.3 second time constant.  
**Power:** 12 to 35 volt DC; less than 200 mA.  
**Analog Output:** 0 to 10 VDC, non-linear standard. Linear 0-10 V & 4-20 mA optional.  
**Temperature Effects:** Changes in ambient temperature between 0 °C and 50 °C change the reading less than 0.01 Torr per °C.  
**Bakeout Temperature:** Gauge tube can be baked to 100 °C (212 °F) in air or vacuum.  
**Vacuum Connection:** 1/4 NPT male. Others such as NW, VCR and 1/2" O.D. tube are available.  
**Dimensions:** Enclosure 3 X 3 X 2 In. (76 X 76 X 50 mm) 1/4 In. NPT vacuum connection is 1 5/8 In. (41 mm) long.  
**Mounting:** Gauge can be supported by the vacuum connection and oriented in any plane.  
**Net Wt.:** 0.75 lb. (0.3 kg) **Ship:** 1 lb. (0.45 kg)

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#### Ordering Information

1 m Torr to Atmosphere Vacuum Transducer. 12 to 35 VDC power. IP-65 dust & splashproof enclosure. 1/4 In. NPT Vacuum Connection. 0 to 10 VDC non-linear output.  
 P/N: 912362 .....\$360.

#### Ordering Information

1 to 2000 mTorr Vacuum Transducer. 12 to 35 VDC power. IP-65 dust & splashproof enclosure. 1/4 In. NPT Vacuum Connection. 0 to 10 VDC non-linear output.  
 P/N: 912364 .....\$360.

#### Ordering Information

.01 to 20 Torr Vacuum Transducer. 12 to 35 VDC power. IP-65 dust & splashproof enclosure. 1/4 IN. NPT Vacuum Connection. 0 to 10 VDC non-linear output.  
 P/N: 912366 .....\$360.

1 to 2000 mTorr Vacuum Transducer. 12 to 35 VDC power IP-65 dust & splashproof enclosure. 1/4 In. NPT Vacuum Connection. Linear outputs of 0 to 10 VDC and 4-20 mA.  
 P/N: 912365 .....\$422.

.01 to 20 Torr Vacuum Transducer. 12 to 35 VDC power IP-65 dust & splashproof enclosure. 1/4 IN. NPT Vacuum Connection. Linear outputs of 0 to 10 VDC and 4-20 mA.  
 P/N: 912367 .....\$422.