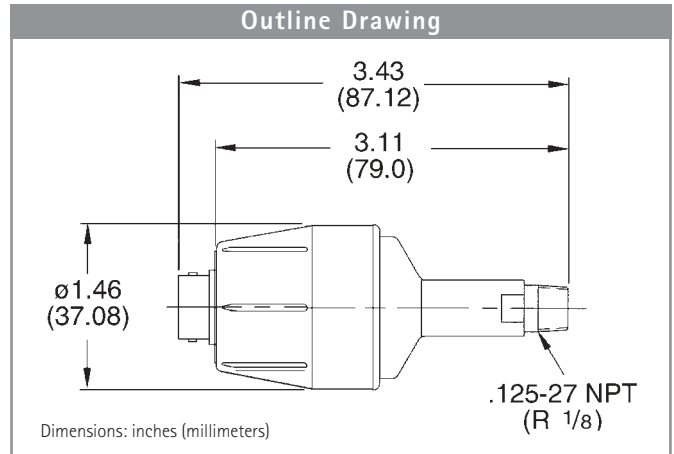


ConvecTorr™ Gauge Tube



The fast response ConvecTorr Gauge Tube is ideally suited for a wide range of vacuum system applications where accurate pressure monitoring and rapid, repetitive pumpdowns from atmosphere to 1×10^{-3} torr (1×10^{-3} mbar) are required. Gauge tube, unlike other popular convection-type gauge tubes, is not affected by system vibration. Its dependable design offers continuous and repeatable pressure indications between 0 °C and 50 °C. The tube has been optimized for convection cooling resulting in superior readings at higher pressures and features a locking bayonet connector.

Technical Specifications

Response Time

Less than 0.60 second for a step change, vacuum to atmosphere

Range

1×10^{-3} torr to atmosphere
(1×10^{-3} mbar to atm)

Bakeability

80 °C

Materials

304L Stainless steel, with an ABS housing

Recommended Controllers

senTorr™ Controller (page 290)
Multi-Gauge Controller (page 285)

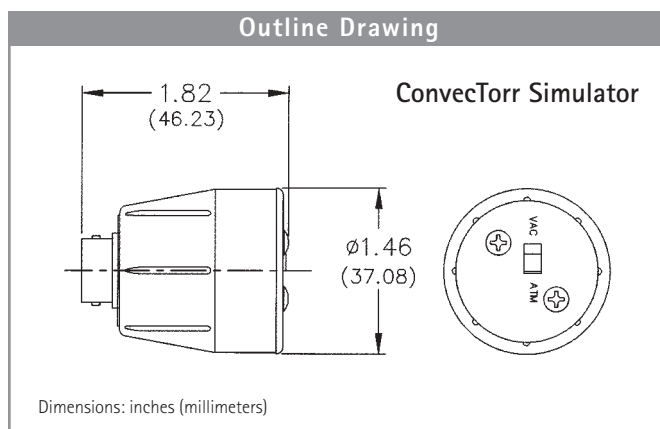
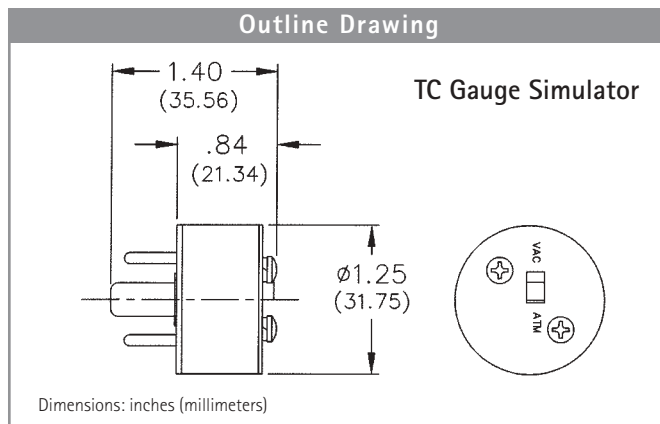
Ordering Information

Description	Part Number	Fitting	Shipping Weight lbs. (kg)
ConvecTorr™ Gauge Tube, Platinel filament	L9090301	1/8 in. NPT	1.0 (0.5)
	L9090302	Mini-ConFlat®	1.0 (0.5)
	L9090303	Cajon 4 VCR (female)	1.0 (0.5)
	L9090305	NW16 KF	1.0 (0.5)
	L9090306	NW25 KF	1.0 (0.5)

Thermocouple and ConvecTorr™ Gauge Simulators



Designed as a vacuum atmosphere simulator for multigauge and sentorr tube to be used with any of the controllers that can accept a 531 thermocouple gauge tube. For those applications where the TC tube will never see 1×10^{-3} torr, it serves as an ideal reference when adjusting the vacuum (zero) calibration potentiometer on the controller. Troubleshooting is facilitated by the selectable Vac or Atm setting.



Technical Specifications

Reference Pressure

Simulates high vacuum $<10^{-4}$ torr and atmosphere 760 torr

Recommended Controller

Multi-Gauge™ (page 285), and senTorr™ (page 290)

Ordering Information

Description	Part Number	Shipping Weight lbs. (kg)
ConvecTorr Simulator	L7382301	1.0 (0.5)
TC Simulator	L7383301	1.0 (0.5)