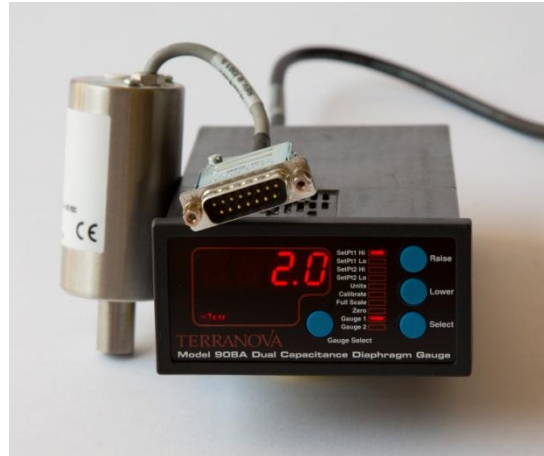




Terranova[®] Model 908A

Dual Capacitance Manometer



Capacitance Manometers are widely used in semiconductor production and other industry because of their ability to measure absolute pressure and for their immunity to contamination and corrosion. The 908A offers unprecedented flexibility, ease of operation and low cost.

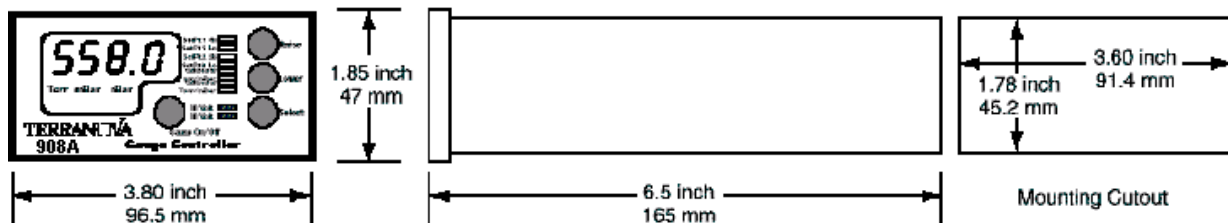
The 908A can deliver up to 0.75 amp to operate one or two heated or unheated manometers. Both manometers are maintained with power applied to permit the user to alternate between readings by pressing a front panel button. Pressure readings from either gauge are available on demand through the RS-232 serial port. The RS-232 port also allows reading the status of set points and other parameters of the 908A operation.

The two process control set points allow setting of both upper and lower set point for each relay, giving the user complete control over the hysteresis of the controlled function. Either or both of the set points may be assigned to either manometer. The relays have isolated outputs and are rated at 240 VAC at 2 amps to allow direct control of small motors and actuators.

The 908A uses an advanced power supply design, which operates on any input from 100 VAC to 240 VAC; also the 908A permits the user to select pressure units of Torr/mTorr or Bar/mBar, kTorr, or arb (arbitrary/no units), making it a universal instrument for international application. In addition, the 908A is CE marked for European applications.

Specifications

Useful Measuring Range	4 decades; full scale of 20 mTorr to 10,000 torr; maximum range selection is entered on the front panel by the user
Display Range	0.01 mTorr to 10.00 ktorr; pressures higher than 10.00 ktorr displays HI
Accuracy of Gauge Interface	The 908A incorporates a high-resolution input circuit which allows the use of the capacitance manometer over its entire 4 decades.
Input to the 908A Controller	0 to 10 volts for full scale of the gauge
Units of Display	Torr or mBar or kTorr or arb; user selectable
Vacuum Gauge	one or two capacitance manometers which require up to 0.75 amp total from ± 15 volt supplies
Gauge Select	allows the user to select which of the two gauges are shown on the digital display
Full Scale Adjust	user may select range of display: 20, 50, 100 mTorr; 1, 2, 10, 20, 100, 1,000, 5,000, 10,000, Torr
Calibrate Adjust	for calibration of display; allows user to multiply response by 0.500X to 2.000X
Process Control Set Points	two, with independent High and Low set points for each relay, for flexible control of hysteresis
Process Control Relays	two relays, 2 amp/240 VAC/30 VDC contacts
Analog Output	linear, 4.00 volts for 100% of full scale
Output Power	+15 and -15 volts, at 0.75 amp total; sufficient to operate temperature-controlled gauges
Operating Temperature Range	36°F to 122°F (+2°C to +50°C)



908A dimensions