



PROVAC

SALES

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Terranova 908A

Technical 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)



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Features & Benefits

- displays vacuum pressure as measured from capacitance diaphragm gauges.
- supplies ± 15 volts at up to 0.75 amp
- incorporates a high-resolution input circuit which allows the use of the capacitance diaphragm gauge over its entire 4 decades
- RS-232 serial port
- immune to contamination and corrosion
- ease of operation
- low cost of operation

Dimensions

