



Terranova 907

Technical Specifications

Useful Measuring Range	CDG: 4 decades; full scale of 20 mTorr to 10,000 Torr; maximum range selection is entered on the front panel by the user. Pressures higher than 130% of sensor full scale displays HI CEP: 0.1 mTorr to 995 Torr for air
Input to the 907 Controller	CDG: 0 to 10 volts for full scale of the gauge CEP: Pressure is calculated from the gauge output using the gauge suppliers algorithm.
Units of Display	CDG and CEP: Torr/mTorr or mBar/microbar or Pascal/kPascal, user selectable
Vacuum Gauges	CDG: One diaphragm manometers which require up to 0.75 amp total from + / -15 volt supplies CEP: One GP Convectron® or equivalent or One HPS/MKS 317 Convection Enhanced Pirani
Pressure Display	4-digit 7-segment bright red LED, 10 mm high
Full Scale Adjust	CDG: 20, 50, 100 mTorr; 1, 2, 10, 20, 100, 1,000, 5,000, 10,000 Torr; user selectable CEP: 995 Torr
Calibration Adjustments	CDG: CALIBRATE: allows user to multiply response by 0.500X to 2.000X; CDG RANGE, ZERO, UNITS CEP: GAUGE ZERO, UNITS, ATM, GAS (Air/Argon)
Process Control Set Points	two, with independent High and Low set points for each relay, for flexible control of hysteresis two relays, 2 amp/240 VAC/30 VDC contacts
Analog Output	Logarithmic, 0.5 volts per decade
Output Power	CDG: +15 and -15 volts, at 0.75 amp total; sufficient to operate temperature-controlled gauges
Serial Input/Output Interface	RS-232 is standard
Operating Voltage	universal input, 100-240 VAC, 47-63 HZ; 30 VA
Operating Temperature Range	36°F to 122°F (+2°C to +50°C)
Weight	1 lb. / 0.5 kg
Size	Standard 1/8 DIN enclosure 3.80 inches (95 mm) wide 1.85 inches (47 mm) high 7.0 inches (175 mm) deep
Mounting	brackets are provided for panel mounting
Compliance Listing	CE/UL marked



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Features & Benefits

- displays vacuum pressure as measured from both a CDG & CEP gauge
- supplies ± 15 volts at up to 0.75 amp; sufficient to operate most heated capacitance diaphragm gauges
- displays vacuum measurements based on thermal conductivity of air/nitrogen or argon
- low cost of ownership
- simple to operate
- universal power input
- RS-232 input/output

Dimensions

