



Terranova 970

Technical Specifications

Display Resolution	2 digits with an exponent HI indicates overrange LO indicates underrange
Input to the 970	Analog signals from the selected vacuum transducer
Units of Display	Torr, mBar, Pascal: user selectable
Calibration Adjust	The appropriate calibration routines are provided, depending upon which sensors are connected at power up. 910, 925C: Vacuum and Atmosphere adjustments 903, 909A, 999, BPG-400: Sensitivity adjustment from 0.5 to 2.0.
Process Control Set Points	Two relays; contacts rated at 240 VDC/300 VAC/2 amp; the relays are internally fused with 2 amp fuses.
Set Point Ranges	903 3.0 X 10 ⁻¹⁰ to 1.0 x 10 ⁻³ torr 909A 1.0 x 10 ⁻⁹ to 1.0 x 10 ⁻² torr 910 1.0 x 10 ⁻⁴ to 7.6 x 10 ⁺² torr 925C 1.0 x 10 ⁻⁴ to 7.6 x 10 ⁺² torr 972 1.0 x 10 ⁻⁹ to 7.6 x 10 ⁺² torr 979 1.0 x 10 ⁻⁹ to 7.6 x 10 ⁺² torr 999 1.0 x 10 ⁻⁹ to 7.6 x 10 ⁺² torr BPG-400 9.0 x 10 ⁻¹⁰ to 6.0 x 10 ⁺² torr
Nonvolatile Memory	For all user specified parameters
Analog Output	Logarithmic, 0.5 volts / decade
Output Power	+24 volts@0.35 amp, sufficient to operate listed transducers
Mounting	The Model 970 may be used as a bench-top instrument or mounted in an instrument panel with clips provided.
RS-232 Output	Allows user to read pressure and set points; 9600 baud, 8-N-1; available through the accessory connector
Power Requirement	90 - 240 Volts; 47 - 65 Hz or DC
Weight	0.9 lb. /0.4 kg
Operating Temperature	0 to +40 degrees Celsius
Relative Humidity	0 -80%, non-condensing
Altitude	0-2000 m (6561 ft.) maximum



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PHONE: 831-462-8900

FAX: 831-462-3536

WWW.PROVAC.COM

Terranova 970 Dimensions

