



# Terranova 960

## Technical Specifications

### 1. Useful Measuring Range

CCG:

6 decades; for Duniway CCG-525 and Varian 525 CCG tubes:  $1 \times 10^{-8}$  torr to  $1 \times 10^{-2}$  torr

CVT:

7 decades for CVT-275:  $0.1 \times 10^{-3}$  torr to  $1 \times 10^{+3}$  Torr.

### 2. Display Range

CCG:

$1.0 \times 10^{-8}$  torr to  $1.0 \times 10^{-2}$  torr

CVT:

$1.0 \times 10^{-4}$  torr to  $1.0 \times 10^{+3}$  torr; pressures lower than -19 mTorr ( $\mu$ Bar) display **LO**; pressures higher than 995 Torr (mBar) or no tube attached to cable, display **HI**; if cable is not connected to the unit, display shows **OFF**

### 3. Input to the 960 Controller

CCG:

Ion current is measured in the HV supply

### 4. Units of Display

For both CCG and CVT:

Torr, mBar, Pascal, user selectable

### 5. Full Scale

CCG:

$1.0 \times 10^{-2}$  torr

CVT

995 Torr (mBar)

### 6. Calibration Adjustments:

CCG:

CCG Calibrate

UNITS

CVT:

GAUGE ZERO adjust

UNITS

CONV. ATM adjust

### 7. Vacuum Gauge

CCG:

one Duniway CCG-525 or Varian 525 Cold Cathode gauge

CVT

one CVT-275 or G-P 275 CONVECTRON<sup>®</sup>.

### 8. Operating Temperature Range

+2 to +50 deg. Celsius

### 9. Process Control Set Points

two, with independent High and Low set points for each relay, for flexible control of hysteresis, assignable to either sensor

### 10. Process Control Relays

two relays; contacts rated at 2 amp/240 VAC, 300 VDC

### 11. Nonvolatile Memory for all user specified parameters

### 12. Analog Output

logarithmic, 0.5 volts/decade; 0.1 mtorr = 4.00 volts

### 13. Output Voltage

CCG

-2 kv

### 14. Mounting

The 960 may be used as a bench-top instrument or it may be mounted in an instrument panel. Clips are provided for panel mounting.

### 15. RS-232 Input/Output

allows user to read pressure, set points and other parameters; 9600 baud, 8-N-1; available through the accessory connector

### 16. Operating Voltage

The Model 960 has a universal power supply, which operates on input voltages from 90 VAC to 240 VAC 47 to 65 Hz; input is through a power input receptacle on the rear panel.

### 17. Fuses

Input power is protected by internal, self-resetting, fuses in both lines of the input power. When the input current exceeds 2 amps for 25 seconds, the fuses open. After 30 seconds open, the fuses re-set to closed.

### 18. Weight, Model 960 only; does not include cable or CVT and CCG tubes

0.9 lb. /0.4 kg



# PROVAC

## SALES

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# Terranova 960 Dimensions

