

## THERMOCOUPLE VACUUM GAUGE TYPE 7677

The 7677 features a thermocouple heated by a filament. The internal gas pressure determines the heat transfer characteristics and thereby the output of the thermocouple. The type 7677 is useful for pressure measurements in the range from 1 to  $10^{-3}$  millimeters of mercury.

### ELECTRICAL:

Thermocouple Materials . . . . . Nichrome & Advance  
 Heater Resistance at 25 °C . . . . . 65 Ohms  
 Thermocouple Resistance at 25 °C . . . . . 10 Ohms

### OPERATIONAL:

Heater Current . . . . . 25 Ma.  
 Thermocouple Output:  
 At  $10^{-3}$  mm Hg Pressure . . . . . 10 mV.

### MECHANICAL:

Mounting Position . . . . . Vertical  
 Base . . . . . JEDEC A4-9  
 Tubulation:  
 Diameter . . . . . 3/8"  
 Material . . . . . Nonex, Corning Code 7720  
 Net Weight (Approx.) . . . . . 2 Ounces

Note: Other thermocouple gauge tubes, similar to type 7677 but having different sizes and materials of tubulation, are available under different numbers.

