

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

MECHANICAL:

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

OPERATIONAL:

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

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

