

thermionics  
laboratory, inc.

# Thermocouple Gauge Tubes

Nickel-plated steel construction and 1/8" NPT vacuum connection are standard

NOTE: All items are hyperlinked to a category or product listing on our website. Click the item to navigate to the page.

## Thermocouple Vacuum Gauges

### TC Gauges

- MilSpec models
- Fast respnce time  $\leq$  1 second
- Operating range" 1 mTorr-atm
- Measuring range: 1 mTorr-2,000 mTorr
- Reliable, rugged, and low cost
- Private labeling
- Strict quality control standards
- Interchangeable with other manufacturer's tubes



## Thermocouple Tube 1/8" NPT

### Options

/XX User-specified vacuum fitting connection (CF Flange, VCR gas fitting, ISO/KF fittings, quick-disconnected, etc.)

/KF-16 Gauge tube with ISO/KF-16 flange

/KF-25 Gauge tube with ISO/KF-25

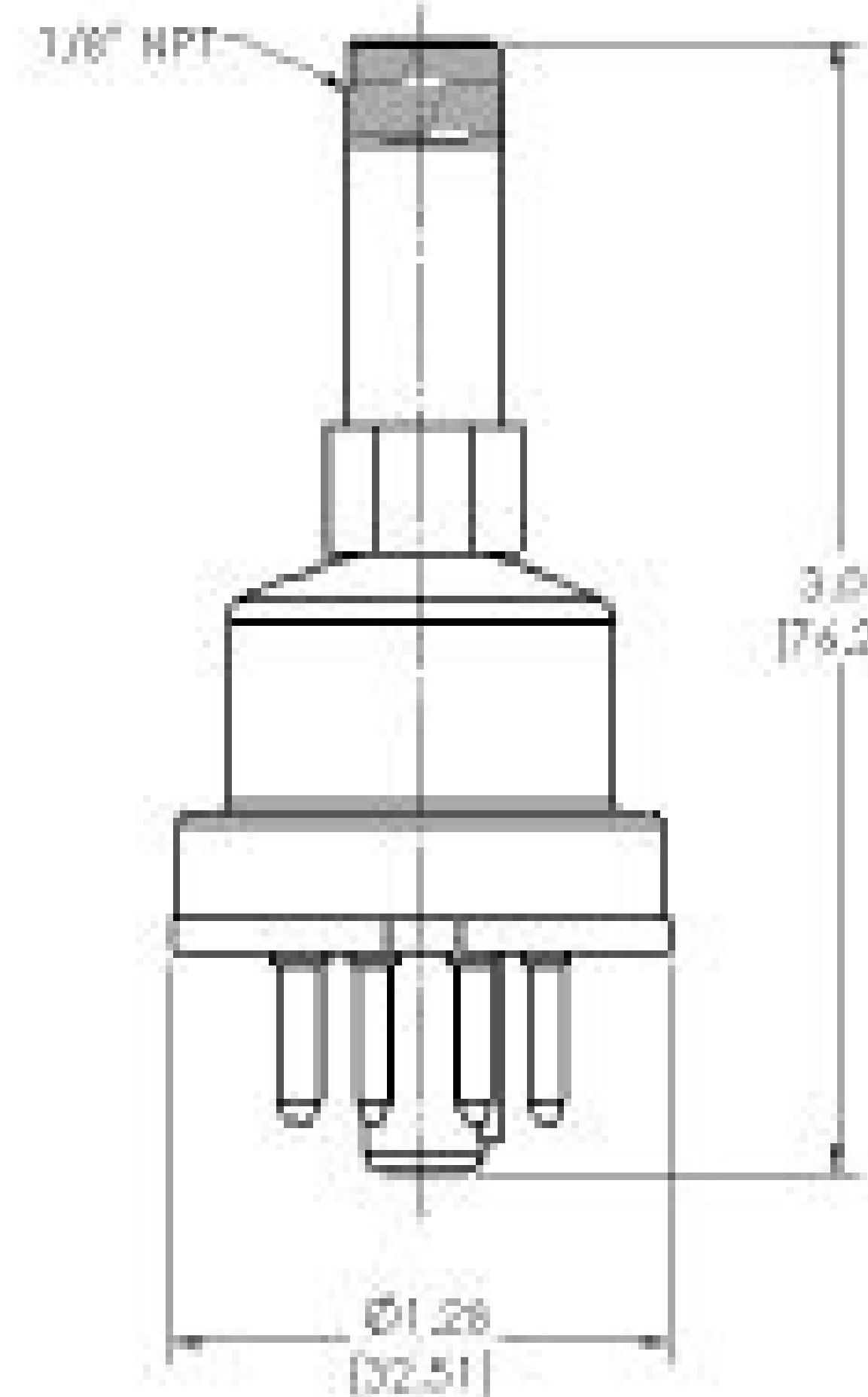
/MVCR Male VCR fitting

/FVCR Female VCR fitting

/MVCO Male VCO fitting

/FVCO Female VCO fitting

/XXX/LW Laser welded



Outline Drawing



Thermocouple Tube  
ISO/KF-25



Thermocouple Tube  
1.33" CF

### Model No.

TG-500 Direct replacement for the Varian 531. Noble metal alloy thermocouple, excellent sensitivity and reproducibility. "Workhorse" for general use and easily calibrated for different gases.

TG-6343 Fast response, long-term stability, low filament contamination under normal use. Very low supply current requirements allow use with battery-powered gauge controller.

TG-6343/004 Same as TG-6343 except manufactured with tighter tolerances to achieve a high degree of repeatability from tube to tube.

TG-7822 Very stable response, MilSpec vibration resistance, low filament contamination rate.



Thermocouple Tube  
Male VCR



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