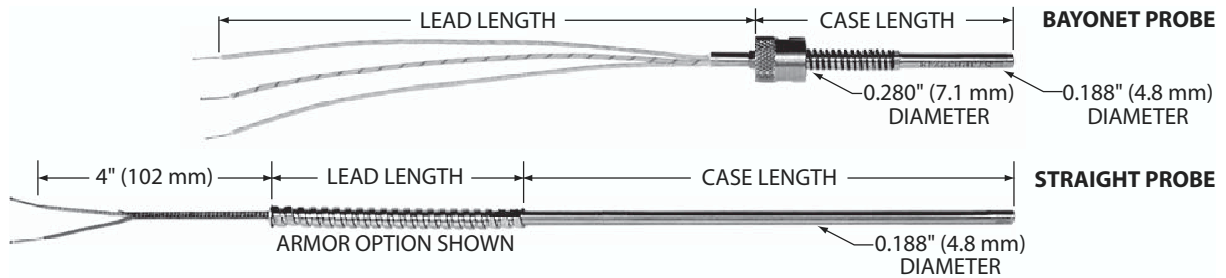


550°C Thermocouple Probes



Overview

Install these probes in steam lines, exhaust gases, or wherever you need precise readings of elevated temperatures.

Bayonet-style probes have a lockcap and spring for spring-loaded installation. See page 4-9 for more information on bayonet fittings.

Specifications

Temperature range:

-100 to 550°C (-148 to 1022°F).

Leadwires: 500°C (932°F) max.

Case: 316 stainless steel.

Minimum case length: 2.5" (63.5 mm)

Maximum case length: 48" (1220 mm), longer on special order.

Pressure rating: 1500 psi (103 bar).

Vibration: Withstands 10 to 2000 Hz at 20 G's minimum per MIL-STD-202, Method 204, Test Condition D.

Shock: Withstands 100 G's minimum sine wave shock of 8 milliseconds duration.

Leads: Solid thermocouple wire, AWG 20. Specify glass braid insulation, stainless steel overbraid, or stainless steel armor.

Time constant: 7 seconds typical in moving water.

Insulation resistance: 10 megohms minimum at 100 VDC, leads to case, ungrounded junctions only.

Specification and order options

TC173	Model number: TC173: Straight probe TC171: Bayonet mount
J	Junction type: E = Chromel-Constantan J = Iron-Constantan K = Chromel-Alumel T = Copper-Constantan
U	Junction grounding: G = Grounded U = Ungrounded
45	Case length: Specify in 0.1" increments (Ex: 45 = 4.5 inches)
G	Covering over leadwires: G = Glass braid only S = Stainless steel overbraid A = Stainless steel armor
24	Lead length in inches
TC173JU45G24 = Sample part number	

Specify and order products at:
www.minco.com/sensors_config

Specifications subject to change

