

General Purpose Process PT100 Temperature Sensors



This sensor assembly is generally used within the dairy, brewery & pharmaceutical industry where a sanitary process connection is required. It consists of a Pt100 sensing element housed in a stainless steel protective sheath with a Tri-Clover ferrule process connection & a lag/standoff. These assemblies are generally of a high surface finish as required for such processes. The termination head which can be Aluminium, Plastic or Stainless Steel.

Specification

Material Body : Stainless steel AISI 316L (1.4404)

Surface Finish: $\leq 0.5RA$

Process Connection: Hygienic Sanitary Fitting – Tri-Clover – Din – SMS - Custom

Sensing Elements: PT100 Platinum Elements per IEC751 ($\alpha = 0.00385 \Omega/\Omega/^\circ C$)

Wiring: 2, 3 or 4 wire

Configuration: Single or Duplex Element

Accuracy : $\pm 0.03^\circ C$ to $\pm 0.3^\circ C$ depending upon class selection

Operating Temperature: from -200 to $+ 650^\circ C$ selection dependant

Output: Pt100 or $4/20mA$

Head Types: Aluminium Alloy, SS316, Plastic

Protection: IP67

Accessories



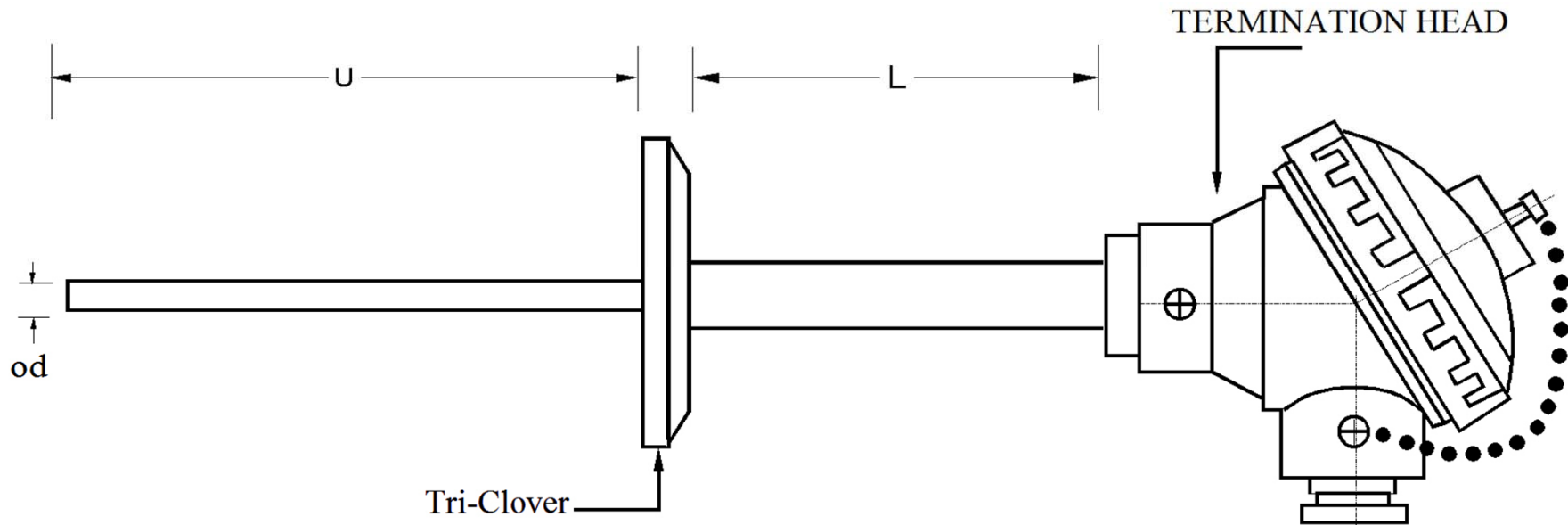
Fittings



4/20mA Transmitters



Controllers



RTM15TC - [] - [] - [] - [] - [] - [] - [] - [] - []

Model
Maximum Operating Temperature 250C 650C
Number of Wires 3 wire = 3W 4 wire = 4W
Element/Tolerance S = Single D = Duplex B = Class B A = Class A 10 = Class 1/10th
Sheath Diameter 6 = 6mm, 8 = 8mm
U Sheath Length in mm Under Tri-Clover
Process Connection Tri-Clover Size 1TC=1", 1.5TC=1.5", 2TC=2", 2.5TC=2.5", 3TC=3"
Lag Length in mm
Termination Head Style KN, DinB, KNB, KNSS, 316L
Termination TB = Terminal Block, FL = Flying Leads, TX = Transmitter

