

7000 Series RTD Assemblies with integral flame path



Cast Aluminum Epoxy Coated Instrument Connection

Integral flame path

Conduit Connection

See Part Number For Terminal Block

**Cenelec Approved

Optional Thermowell

When attaching thermowells to assemblies on this page please refer to the ALLTEMP SENSORS "Thermowell Catalogue"

Model AP1: no fittings. A (Installed Length) (A=Thermowell Stem Length) (Includes Approx. 0.5" Spring Loading)

Model AP2: NPT nipple. A (Installed Length) (A=Thermowell Stem Length) (Includes Approx. 0.5" Spring Loading). NPT nipple. .35" for 1/2" NPT (Typical), .45" for 3/4" NPT (Typical).

Model AP3: NPT nipple-union-nipple. A (Installed Length) (A=Thermowell Stem Length) (Includes Approx. 0.5" Spring Loading). NPT nipple-union-nipple.

Model AP4: NPT Oil-Seal bushing. A (Installed Length) (A=Thermowell Stem Length) (Includes Approx. 0.5" Spring Loading). NPT Oil-Seal bushing. 1" length. .35" for 1/2" NPT (Typical), .45" for 3/4" NPT (Typical).

Model AP5: M20 adjustable locknut. A (Installed Length) (A=Thermowell Stem Length) (Includes Approx. 0.5" Spring Loading). M20 adjustable locknut.

Note: These RTD assemblies are suitable for retrofit or replacement applications where a full assembly certification is required with or without a thermowell.

Certified without a thermowell
 Class I Division I Groups BCD
 Class II Division I Groups EFG
 Class III; Encl. Type 4X

Standard lengths are from 2"-6"
Special lengths are available

Ordering Code

Model (see above) - 7 - Instrument Connection - Terminal Block (See Page D17a) - RTD Type - Number of Lead Wires: 2, 3, 4A, 4B - Temperature Rating - 'A'-length (inches) - 'N'-length (inches)

Instrument Connection
 1/2" NPT = 1
 (AP1&AP5)M20 X 1.5 = 2
 3/4" NPT = 3

Conduit Connection
 1/2" NPT = 1
 3/4" NPT = 3

RTD Type
 a=0.00385, 100 ohm Pt (1/10 DIN) = 1
 a=0.00385, 100 ohm Pt (Class A) = 2
 a=0.00392, 100 ohm Pt = 3
 a=0.00427, 10 ohm Cu = 4
 a=0.00672, 120 ohm Ni = 5

RTD Diameter
 14 = 1/4"
 18 = 1/8"
 21 = 0.215"
 36 = 3/16"
 6M = 6mm

Temperature Rating
 LT = low temperature max. 200°C
 HT = high temperature max. 450°C
 UT = ultra high temperature max. 600°C and high vibration

Wiring Diagrams:
 2-Wire: R, W
 3-Wire: R, R, W
 4-Wire, type A: R, R, W, W
 4-Wire, type B: R, R, W, W

Sample Order Code: AE-7113-T04-2-14-3-LT-6-12 - Thermowell Part No.