

# 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). NPT 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**  
 NRTL/C Class I Division I Groups BCD  
 Class II Division I Groups EFG  
 Class III; Encl. Type 4X

\*\*Cenelec Approved Explosion-Proof Enclosure

**Ordering Code**

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**Model** (see above): Single = 1, Dual = 2

**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

**Terminal Block** (See Page D17a)

**Number of Lead Wires**: 2, 3, 4A, 4B

**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

**'A'-length (inches)**

**'N'-length (inches)**

2-Wire, 3-Wire, 4-Wire, type A, 4-Wire, type B

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

**D17**