No. 42-2, Jalan Kuchai Maju 11, Kuchai Entrepreneur Park, Jalan Kuchai Lama, 58200 Kuala Lumpur, Malaysia. T +603 7983 9016 / F +603 7980 0394 / www.dnscontrols.my

RTD Probes with Connection Head

A1RTD1-CXX -01



A1RTD1-CXX -02



Overview

- All temperature sensors are custom made standard item
 - 100 ohm platinum RTD 3-wire element
 - Class A accuracy
 - Ø6.35mm diameter, 316 SS sheath to protect against harsh environments
 - RTD element encased in Magnesium Oxide (MgO) powder insulation provides excellent vibration dampening and heat transfer
 - 150mm, 300mm or 450mm probe length
- Connection Head
 - Cast aluminum IP67 screw cover head with gasket
- One turn cover removal & installation eliminates

cross

threading and saves time

- ½"BSP conduit opening with internal stop to prevent overtightening and installation damage
- Gripping ribs on cover edge
- with cover chain
- Wiring
 - Ceramic terminal block
 - Brass terminals with screws eliminate the need to wrap connections around screws
- Others
- Required others type of RTD sensors ,specification & temperature range can be custom made upon request.

RTD Probes with Connections Head						
Part Number	RTD Type	Probe Diameter (O.D)	Probe Length	Temperature Sensing Range	Mounting	
A1RTD1-C06-01			150mm		Integral 1/2" x 1/2" BSP	
A1RTD1-C12-01			300mm		304 SS	
A1RTD1-C18-01	PT 100	6.35mm	450mm	-200 to 300°c		
A1RTD1-C06-02	3 wire		150mm			
A1RTD1-C12-02			300mm		_	
A1RTD1-C18-02			450mm			

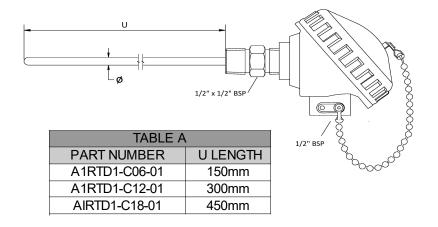
Technical Specifications				
Sensing Element	S ingle 100 ohm (PT 100) , 3 wire			
Initial Accuracy	Class A +/- [0.15 + 0.002 ltl] ° C			
Probe	Ø6.35mm ,316 stainless steel sheath,single RTD is embedded in MgO powder			
Minimum Installation Depth	76mm length			
Connection Head	Die-cast aluminum, screw cover with chain, IP 67, 1/2"BSP conduit opening			
Wiring	Ceramic terminals base terminals and screw			

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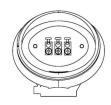
RTD Probes with Connection Head

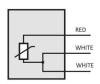
Dimension

A1RTD1-CXX -01



Wiring Information





- Ignore polarity marks on terminal base
- Recommended screw terminal tightening torque 3-4 lb-in

A1RTD1-CXX -02

