

340# Series

- Solid Sintered Tungsten carbide Thermowell for mill classifier outlet
- Recrystallized Silicon carbide for use on high temperature and abrasive services
- Weather proof execution in 316SS or Aluminium
- Available with "in head" 2-wire Temperature Transmitter.

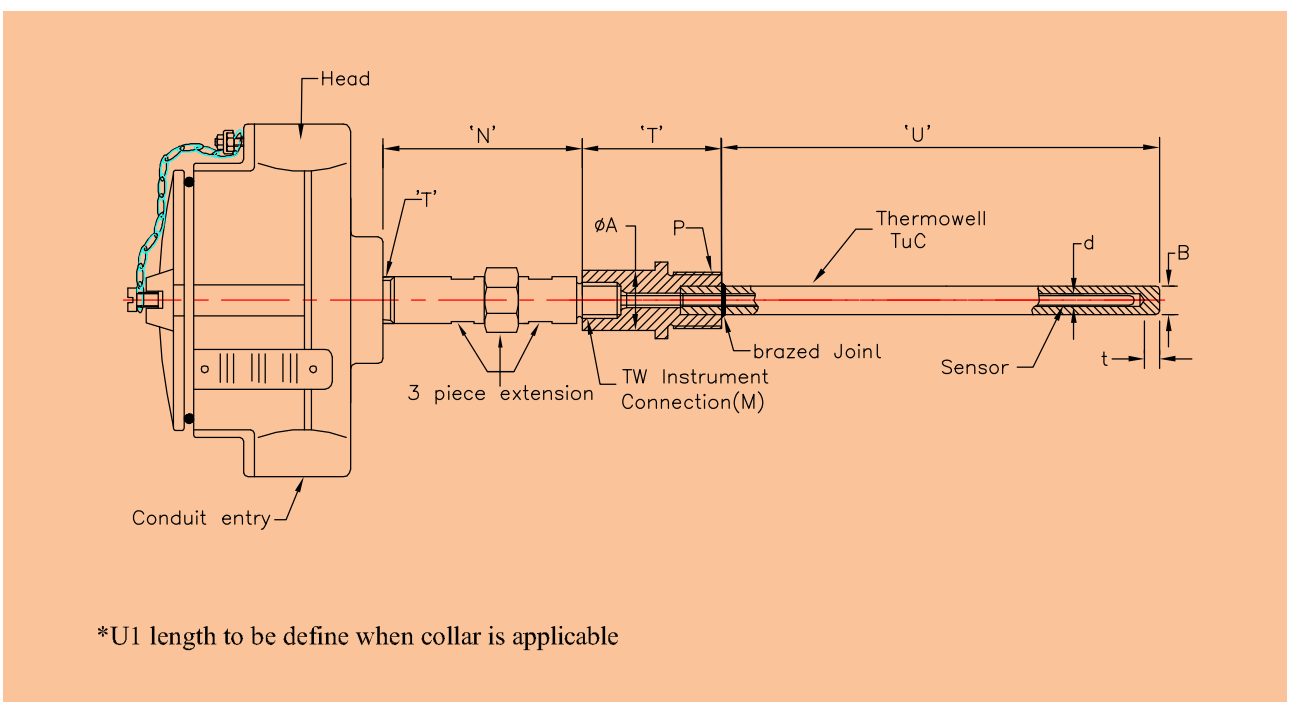


Mi Thermocouple or Resistance Thermometer sensor fitted into a terminal head, and provided with head extension and solid

sintered Tungsten carbide Thermowell would form typically, a complete assembly for use in Power Plants for highly abrasive services such as mill classifier outlet for temperature measurement of Coal + Air mixture. For use at relatively high temperatures we recommend re-crystallized Silicon carbide, which also has very high abrasion resistance characteristics.

These are recommended for use in Flue gas application in power plants or for use on incinerators employed in modern day waste management systems of process plants. Standard well is available in diameter of 20mm; and is cemented into stainless steel bushing.

The standard execution as shown in this leaflet is with plated CS extension and Aluminum head with conduit entry of 1/2"NPT (M), and well entry of M20x1.5.



Ordering Example - RTD

Model No: 340#-MI-2-K-6-20AWG-SS316-IEC584-CJT1001-400-D_IP65-1-HA108-SS316-316-32-250-XX-50-150-1"NPT(M)-16-7-6-Op 1A,3A,5A,4B,31A,15B,16B

Model	Suffix Codes	Description
340#RTD	340#RTD Assembly
No of Elements	1.....	Simplex
	2.....	Duplex
	3.....	Triplex
Element Type	Pt100A.....	Pt100 RTD Class A tolerance
	Pt100B.....	Pt100 RTD Class B tolerance
	Pt200A.....	Pt200 RTD Class A tolerance
	Pt200B.....	Pt200 RTD Class B tolerance
	Pt500A.....	Pt500 RTD Class A tolerance
	Pt500B.....	Pt500 RTD Class B tolerance
No of Wires	2W.....	2 Wire RTD
	3W.....	3 Wire RTD
	4W.....	4 Wire RTD
Sheath Dia	6.....	6 mm
	8.....	8 mm
	10.....	10 mm
		(For more options refer table F)
Sheath Material	316.....	SS316
	316L.....	SS316L
	321.....	SS321
	INC 600.....	Inconel 600
Calibration Standard	DIN43760.....	RTD calibration DIN 43760
	IEC751.....	RTD calibration IEC 60751
CJT Details	CJT 201.....	Crimp on Pot and Lead Wire
	CJT 1001.....	Spring Loaded Terminal Block OD=41 PCD=33(Weatherproof)
	CJT 1005.....	Spring Loaded Terminal Block Od=41 PCD=33(Flameproof)
		(For more options refer table G)
Length Below Base Plate* (To be specified by Pyro)	X.....	Length Below Base Plate 'X' mm
Head Type	D_IP67.....	Weatherproof With IP67 Certified as per IS/IEC 60529
	C.....	Flameproof Exd IIC T6,IP67 as per IS/IEC 60079
		(For more options refer table H)
No Of Conduit Entries	01-10..... XX	Select 2 or 1 for Terminal Head & 1-10 for Junction Box Not Applicable
Head Assembly Type	HA108.....	Head-3 Piece Extension & T(M) (Made in Barstock)
	HA112.....	Head-3 Piece Extension with Spring Loading & T(M)
	HA113.....	Head-3 Piece Extension with Sealing Arrangement & T(M)
		(For more options refer table E)
Well Material	TUC.....	Tungsten Carbide(Solid Sintered)
	SIC.....	Silicon Carbide(Recrystallized Silicon)
TW Boss Material	321.....	SS 321
	321L.....	(Other options available)
TW Boss Outer Diameter	0-100(Define value between 0 to 100)	TW Boss Outer Diameter
Well Extension*	T.....	Well Extension 'T' mm
Well Insertion Length Below Threads*	U.....	Well Insertion Length Below Threads 'U' mm
Well Insertion Length Below Collar*	U1.....	Well Insertion Length Below Collar 'U1' mm
	XX.....	Not Applicable
Head Extension Length*	N.....	Head Extension Length 'N' mm
Process Connection	M33X2M.....	M33X2(M)
	1NPTM.....	1" NPT(M)
	XX.....	Not Applicable (For more options refer table B)
Hot End Diameter*	B.....	Hot End Diameter 'B' mm
BORE ID*	Thk.....	Bore ID 'd' mm
Tip Thickness*	t.....	Tip Thickness 't' mm
Options.....		(For options refer table A)

*Please consult our marketing team for any non standard dimensions. Note: For field which are not applicable, select 'XX' or enter '0' whichever is mentioned.

Ordering Example - THERMOCOUPLE

Model No: 440#-MI-2-K-6-20AWG-SS316-IEC584-CJT1001-400-D_IP67-1-HA108-SS316-F316-250-0-80-150-1/2"-150-RF-28-26-16-50-0-0-7-6-Op 1A,3A,5A,4B,31A,15B,16B

Model	Suffix Codes	Description
440#TC		440#TC Assembly
Thermocouple Type	MI..... BE.....	Mineral Insulated Ceramic Beaded
Number of Elements	1..... 2..... 3.....	Simplex Duplex Triplex
Element Type	J..... K..... T..... E..... N..... R..... S..... B..... C.....	Iron Constantan Chromel Alumel Copper Constantan Chromel Constantan Nicrosil Nilil PTRH13%_PT PTRH10%_PT PTRH30%_PTRH6% TU 5% Rhenium -TU 26% Rhenium
Sheath Diameter of TC	6..... 8..... 9.5.....	6 mm 8 mm 9.5 mm (For more option refer table F)
Size of Conductor of TC	18AWG 19AWG 21AWG XX.....	1.02362 mm 0.91186 mm 0.7239 mm Not Applicable (for more options refer table C)
Sheath Material for TC	316..... 316L..... 321..... INC 600	SS316 SS316L SS321 Inconel 600 (For more options refer table D)
Calibration Standard	ANSIMC96.1..... DIN43710..... IEC60584.....	TC calibration as per ANSIMC 96.1 TC calibration as per DIN 43710 TC calibration as per IEC 60584
Details of CJT	CJT 201..... CJT 1001..... CJT 1005.....	Crimp on Pot and Lead Wire Spring Loaded Terminal Block OD=41 PCD=33(Weatherproof) Spring Loaded Terminal Block Od=41 PCD=33(Flameproof) (For more options refer table G)
Length Below Base Plate* (To be specified by Pyro)	X.....	Length Below Base Plate 'X' mm
Head Type	D_IP67..... C.....	Weatherproof With IP67 Certified as per IS/IEC 60529 Flameproof Exd IIC T6,IP67 as per IS/IEC 60079 (For more options refer table H)
Number of Conduit Entries	01-10..... XX.....	Select 2 or 1 for Terminal Head & 1-10 for Junction Box Not Applicable
Head Assembly Type	HA108..... HA112..... HA113.....	Head-3 Piece Extension & T(M) (Made in Barstock) Head-3 Piece Extension with Spring Loading & T(M) Head-3 Piece Extension with Sealing Arrangement & T(M) (For more options refer table E)
Well Material	TUC..... SIC.....	Tungsten Carbide(Solid Sintered) Silicon Carbide(Recrystallized Silicon)
TW Boss Material	321..... 321L.....	SS 321 SS 321L. (Other options available)
TW Boss Outer Diameter	0-100(Define value between 0 to 100)	TW Boss Outer Diameter
Well Extension*	T.....	Well Extension Tmm
Well Insertion Length Below Threads*	U.....	Well Insertion Length Below Threads 'U' mm
Well Insertion Length Below Collar*	U1..... XX.....	Well Insertion Length Below Collar 'U1' mm Not Applicable
Head Extension Length*	N.....	Head Extension Length 'N' mm
Process Connection	M33X2M..... 1NPTM..... XX.....	M33X2(M) 1" NPT(M) Not Applicable (For more options refer table B)
Hot End Diameter*	B.....	Hot End Diameter 'B' mm
Bore ID*	d.....	Bore ID 'd' mm
Tip Thickness*	t.....	Tip Thickness 't' mm
Options.....		(For options refer table)

*Please consult our marketing team for any non standard dimensions. Note: For field which are not applicable, select 'XX' or enter '0' whichever is mentioned .

INDIA

PYRO ELECTRIC INSTRUMENTS GOA PVT. LTD.

G/B, Hill Crown, College Road, Mapuca - Goa 403 507 India.

Tel : +91 832 2252719/2264391, Fax : +91 832 2263294, Email : marketing@pyro-electric.in

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