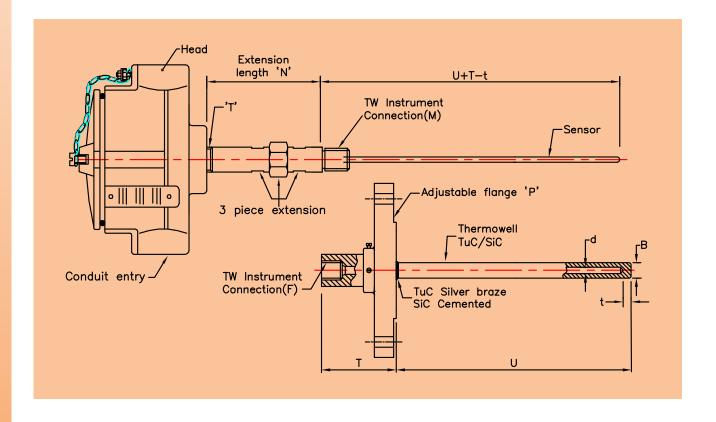


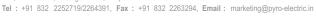
- Solid Sintered Tungsten carbide Thermowell for mill classifier outlet.
- Recrystallized Silicon carbide for use on high temperature and abrasive services.
- Weather proof execution in 316SS or Aluminium
- Available with "in head" 2-wire Temperature Transmitter.

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 ixture. For use at relatively high temperatures we recommend re-crystallized Silicon carbide, which also has a 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 19mm; and is cemented into stainless steel bushing.

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







Ordering Example - RTD

Model No: 440#MI-2-Pt100B-3W-6-316-IEC751-CJT1001-400-D-IP-87-1-HA108-TUC-F316-200-50-150-1"-150#-BLRF-28-19-19-9-6-1A,3A,5A,4B,31C,14A

Model	Suffix C	odes							Description
440#RTD									440#RTD Assembly
No of Elements									Simplex
NO OF LIGHTERIES									Duplex
	I								Triplex
Element Type									Pt100 RTD Class A tolerence
Liement Type									Pt100 RTD Class B tolerence
	1								Pt200 RTD Class A tolerence
									Pt200 RTD Class B tolerence
	Pt200B								
Pt500A							Pt500 RTD Class A tolerence		
Pt500B								Pt500 RTD Class B tolerence 2 Wire RTD	
No of Wires 2W									
	l l								3 Wire RTD
0, ,, 5,									4 Wire RTD
Sheath Dia	I .							I	6 mm
	8							8 mm	
	10							10 mm	
									(For more options refer table F)
Sheath Material									SS316
316L									SS316L
								I	SS321
									Inconel 600
Calibration Stan	dard	DI	N43760						RTD calibration DIN 43760
		IE	C751						RTD calibration IEC 60751
CJT Details			CJT 201						Crimp on Pot and Lead Wire
			CJT 100	1					Spring Loaded Terminal Block OD=41 PCD=33(Weatherproof)
			CJT 100	5					Spring Loaded Terminal Block Od=41 PCD=33(Flameproof)
									(For more options refer table G)
Length Below Ba	ase Plate*		X						Length Below Base Plate 'X' mm
(To be specified									
Head Type	, , ,		D	IP67					Weatherproof with IP67 Certified as per IEC 60529
,,			- 1						Flameproof Exd IIC T6,IP67 as per IEC 60079
									(For more options refer table H)
No Of Conduit E	ntries		<u> </u>	01-10					Select 2 or 1 for Terminal Head & 1-10 for Junction Box
The or conduct									Not Applicable
Head Assembly	Tyne								Head-3 Piece Extension & T(M) (Made in Barstock)
Tiodd 7 toochibiy	Турс								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					321				Tuc & Sic
VVCII IVIAICIIAI									Tuc & Sic
									Tuc & Sic
Flange Material					F321				SS 321
i lange material									SS316
									SS 316L (Other options available)
Well Insertion Le	anath Balay	v Elana	^*						Well Insertion Length Below Flange 'U' mm
Well Extension L					0				Well Extension Length Including Flange 'T' mm
Head Extension		Juliy Fi	ange			T			Head Extension Length 'N' mm
Flanged Process		n Cizo							1" ANSI
Flanged Floces	s Connectio	JII SIZE				1			1.5" ANSI
Flance I Barrer	. 0	D.C							2" ANSI (Other options available)
Flanged Process Connection Rating									150# as per B16.5
								I	300# as per B16.5
									600# as per B16.5
									900# as per B16.5
									1500# as per B16.5
Flanged Process Connection Facing BLRF.									2500# as per B16.5
						I		I	Blind Raised Face
							J		Blind Ring Type Joint
									Slip on Raised Face (Other options available)
Rod Diameter*									Rod Diameter 'A' mm
Top End Diameter*									Top End Diameter 'B1' mm
Hot End Diameter*						В			Hot End Diameter 'B' mm
Bore ID*						d			Bore ID 'd' mm
Tip Thickness *						t			Tip Thickness 't' mm
									(For options refer table A)
*Dlooco concult	our market	ina toon	n for onv	non eta	ndard dim	oncione I	loto: For field which are n	ot applicable	select 'XX' or enter '0' whichever is mentioned .

*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 and the select team for any non standard dimensions.

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

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Ordering Example - THERMOCOUPLE

Model Cuffin Codes		Deceriation
Model Suffix Codes 440#TC		Description 440#TC Assembly
Thermocouple Type MI		Mineral Insulated
		Ceramic Beaded
Number of Elements 1		Simplex
		Duplex
		Triplex
		Iron Constantan
		Chromel Alumel Copper Constantan
		Chromel Constantan
		Nicrosil Nisil
		PTRH13%_PT
S		PTRH10%_PT
		PTRH30%_PTRH6%
		TU 5% Rhenium –TU 26% Rhenium
		6 mm 8 mm
		9.5 mm (For more option refer table F)
		1.29032 mm
		1.02362 mm
		0.51054 mm
		Not Applicable (For more options refer table C)
		SS316
		SS316L
321 INC 600		SS321 Inconel 600 (For more options refer table D)
		TC calibration as per ANSIMC 96.1
		TC calibration as per DIN 43710
		TC calibration as per IEC 60584
Details of CJT CJT 201		Crimp on Pot and Lead Wire
		Spring Loaded Terminal Block OD=41 PCD=33(Weatherproof)
CJT 1005		Spring Loaded Terminal Block Od=41 PCD=33(Flameproof)
Leady Delay December 2		(For more options refer table G)
Length Below Base Plate* X(To be specified by Pyro)		Length Below Base Plate X mm
	67	Weatherproof with IP67 Certified as per IEC 60529
, ,	07	Flameproof Exd IIC T6,IP67 as per IEC 60079
0		(For more options refer table H)
Number of Conduit Entries 01	I-10	Select 2 or 1 for Terminal Head & 1-10 for Junction Box
Head Assembly Type	HA108	Head-3 Piece Extension & T(M) (Made in Barstock)
Trodd Todd Tily Typo	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	321	Tuc & Sic
	316	Tuc & Sic
	INC 600	Tuc & Sic
Flange Material	F321	SS 321
	F316	SS316
	F316L	SS 316L (Other options available)
Well Insertion Length Below Flange*	U	Well Insertion Length Below Flange 'U' mm
Safe Length Below Collar*	U1	Well Insertion 'U1' mm
- 		(Write 0 if Velocity Collar Not Applicable)
Well extension length including Flange*	Т	Well Extension Length Including Flange 'T' mm
Head extension length*	N	Head Extension Length 'N' mm
Flanged Process Connection Size	1	1" ANSI
3	1.5	1.5" ANSI
	2	2" ANSI (Other options available)
Flanged Process Connection Rating	150#	150# as per B16.5
• • • • • • • • • • • • • • • • • • •	300#	300# as per B16.5
	600#	600# as per B16.5
	900#	900# as per B16.5
	1500#	1500# as per B16.5
	2500#	2500# as per B16.5
Flanged Process Connection Facing	BLRF	Blind Raised Face
- Garana	BLRTJ	Blind Ring Type Joint
	SORF	Slip on Raised Face (Other options available)
Rod Diameter*	A	Rod Diameter 'A' mm
Top End Diameter*	B1	Top End Diameter 'B1' mm
Hot End Diameter*	В	Hot End Diameter 'B' mm
Bore ID*	d	Bore ID 'd' mm
Tip Thickness*	t	Tip Thickness 't' mm
		(For options refer table A)
		1 to options role 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.

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