- A Flanged tapered well
- Flameproof or weather proof execution in 316SS or Aluminium
- Safe design as per ASME PTC 19.3
- Available with "in head" 2-wire Temperature Transmitter.

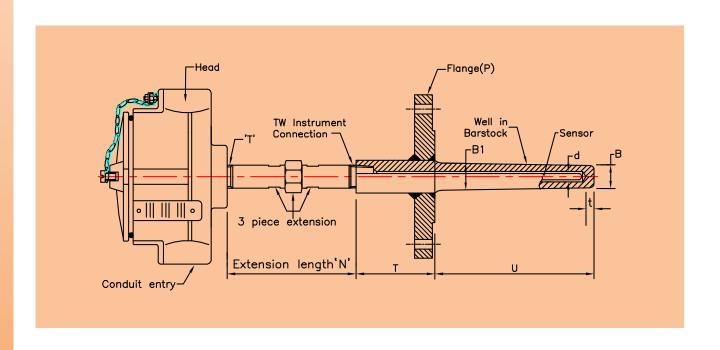
MI Thermocouple or Resistance Thermometer sensor fitted into a terminal head, and provided with head extension and drilled bar stock flanged thermowell would form a typical complete assembly ready for use in the application, designed for. The design of the complete assembly



depends on various process parameters, such as, temperature, dynamic pressure, flow velocity, abrasive nature of process fluid, intricate nature of installation and insertion lengths required. High velocity collar can be provided to reduce the suspended length of Thermowell and to meet ASME PTC 19.3 requirement.

Thermowells are available in standard AISI 300 series stainless steels as well as, in exotic materials such as Incoloy 800, Inconel 600, Monel 400, Hastelloy alloys C and B, and Flanges in ASTM grades A105, A182 and A 350 and in sizes As defined.

The standard execution as shown in this leaflet is with plated CS extension and Aluminium head with conduit entry of 1/2"NPT and Thermocouples with ungrounded junction unless specified otherwise.



Ordering Example - RTD

Model No: 400#-2-Pt100B-3W-6-SS316-IEC751-CJT1001-400-D_IP67-1-HA108-SS316-F316-250-0-50-150-11/2"-150#-RF-30-26-16-0-0-7-6-Op 1A,3A,5A,4B,31A,14A

MONTED	Model	Suffix Codes			Descriptio	n	
Simplex Duplex							
Pinton							
Element Type		2					
Element Type		3			Triplex		
P200B	Element Type				Pt100 Class A	A tolerence	
P2000 P500		Pt100B			Pt100 Class I	3 tolerence	
P550C class Ablerence P550C lass by Electrone P550C class by Electron		Pt200A				lass A tolerence	
PISOB		Pt200B					
Number of Wires 2W					Pt500 Class A tolerence		
SW		Pt500B			Pt500 Class B tolerence		
Awre RTD	Number of Wires						
Sheath Diameter 6		3W			3 Wire RTD		
Sheath Material		4W			4 Wire RTD		
10	Sheath Diameter	r 6			6 mm		
Sheath Material 316		10					
316						ions refer table F)	
\$231	Sheath Material						
Microse Micr		316L			SS316L		
Calibration Standard DIM43760 EC751 RTD calibration IDIN 43760 EC751 RTD calibration IDIN 43760 EC751 RTD calibration IDIN 43760 CJT 201 CJT 1005 CJT 201 CJT 1005							
Calibration Standard DIM43760 EC751 RTD calibration IDIN 43760 EC751 RTD calibration IDIN 43760 EC751 RTD calibration IDIN 43760 CJT 201 CJT 1005 CJT 201 CJT 1005		INC 600			Inconel 600		
IEC75	Calibration Standard DIN43760				RTD calibration DIN 43760		
CJT Details		IEC751			RTD calibration		
CLT 1001	CJT Details	CJT 201			Crimp on Pot		
CTT 1005 Spring Loaded Terminal Block Od-41 PCD-33(Flameproof) (For more options retable G) Length Below Base Plate Xmm (To be specified by Pyro)					Spring Loade	d Terminal Block OD=41 PCD=33(Weatherproof)	
Length Below Base Plate Xmm X							
Length Below Base Plate Xmm					(For more opt		
Cit be specified by Pyro Head Type C C Weatherproof with IP67 Certified as per IEC 60529 Flameproof Exd IIC 16 IP67 as per IEC 60079 Flameproof Exd IIC 16 IP67 as per IEC 60079 Flameproof Exd IIC 16 IP67 as per IEC 60079 Flameproof Exd IIC 16 IP67 as per IEC 60079 Flameproof Exd IIC 16 IP67 as per IEC 60079 Flameproof Exd IIC 16 IP67 as per IEC 60079 Flameproof Exd IIC 16 IP67 as per IEC 60079 Flameproof Exd IIC 16 IP67 as per IEC 60079 Flameproof Exd IIC 16 IP67 as per IEC 60079 Flameproof Exd IIC 16 IP67 as per IEC 60079 Flameproof Exd IIC 16 IP67 as per IEC 60079 Flameproof Exd IIC 16 IP67 as per IEC 60079 Flameproof Exd IIC 16 IP67 as per IEC 60079 Flameproof Exd IIC 16 IP67 as per IEC 60079 Flameproof Exd IIC 16 IP67 as per IEC 60079 Flameproof Exd IIC 16 IP67 as per IEC 60079 Flameproof Exd IIC 16 IP67 as per IEC 60079 Flameproof Exd IIC 16 IP67 as per IEC 60079 Flameproof Exd IIC 16 IP67 as per IEC 60079 Flameproof Exd IIC 16 IP67 as per IEC 60079 Flameproof Exd IIC 16 IP67 as per IEC 60079 Flameproof Exd IIC 16 IP67 as per IEC 60079 Flameproof Exd IIC 16 IP67 as per IEC 60079 Flameproof Exd IIC 16 IP67 as per IEC 60079 Flameproof Exd IIC 16 IP67 as per IEC 60079 Flameproof Exd IIC 16 IP67 as per IEC 60079 Flameproof Exd IIC 16 IP67 as per IEC 60079 Flameproof Exd IIC 16 IP67 as per IEC 60079 Flameproof Exd IIC 16 IP67 as per IEC 60079 Flameproof Exd IIC 16 IP67 as per IEC 60079 Flameproof Exd IIC 16 IP67 as per IEC 60079 Flameproof Exd IIC 16 IP67 as per IEC 60079 Flameproof Exd IIC 16 IP67 as per IEC 60079 Flameproof Exd IIC 16 IP67 as per IEC 60079 Flameproof Exd IIC 16 IP67 as per IEC 60079 Flameproof Exd IIC 16 IP67 as per IEC 60079 Flameproof Exd IIC 16 IP67 as per IEC 60079 Flameproof Exd IIC 16 IP67 as per IEC 60079 Flameproof Exd IIC 16 IP67 as per IEC 60079 Flameproof Exd IIC 16 IP67 as per IEC 60079 Flameproof Exd IIC 16 IP67 as per IEC 60079 Flameproof Exd IIC 16 IP67 as per IEC 60079 Flameproof Ex	Length Below Ba	ase Plate Xmm X					
Head Type]		
C		<i></i>			Weatherproof	with IP67 Certified as per IEC 60529	
Number of Conduit Entries	31	C			Flameproof E	xd IIC T6,IP67 as per IEC 60079	
Mod Applicable Ha108							
Had Assembly Type	Number of Cond	luit Entries 01-10					
Had Assembly Type		XX			Not Applicable	e	
Hadd 3- Piece Extension with Spring Loading &T (M) Hadd 3- Piece Extension with Spring Loading &T (M) Hadd 3- Piece Extension with Spring Loading &T (M) For more options refer table £) SS 321	Head Assembly	Type HA1	108				
Hadd_3 Piece Extension with Sealing Arrangement & T(M) (For more options refer table E)	,		112				
					Head-3 Piece	Extension with Sealing Arrangement & T(M)	
Well Material 321							
316	Well Material	13	321			iono reio. table E _j	
Income 600 (Other options available)							
Flange Material						Other options available)	
F316	Flange Material	1.	F321		SS 321	outor optione available)	
F316L SS 316L (Other options available) Well Insertion Length Below Flange* U.	r larige iviaterial						
Well Insertion Length Below Flange " U.						er ontions available)	
U1	Well Insertion Le	ength Below Flange*					
Will extension length including Flange" T.	Safe Length Belg	nw Collar*					
Well extension length including Flange* T	Saic Length Det	ow Collai	01				
Head extension length* N	Wall extension la	anath including Flange*	Т				
Times							
1.5						on longur N IIIIII	
2	i ialiyeu Flucess	3 COMPRESSION SIZE					
Tio# as per B16.5 300# as per B16.5 300# as per B16.5 600# book as per B16.5 900# book as per B16.5 1500# as per B16.5 1600# as per B1						or ontions available)	
300#	Flanged Drococc	Connection Dating					
600# as per B16.5 900# as per B16.5 900# as per B16.5 1500# as per B16.5 1500# as per B16.5 1500# as per B16.5 1500# as per B16.5 2500# as p	i iangeu FIUCESS	5 Connection Rating					
900#			1.5				
1500#			1.				
2500# as per B16.5 Flanged Process Connection Facing BLRTJ Blind Raised Face BLRTJ Blind Ring Type Joint SORF Slip on Raised Face (Other options available) Rod Diameter* A Rod Diameter 'A' mm Top End Diameter* BI Top End Diameter 'B' mm Hot End Diameter* B Hot End Diameter 'B' mm Velocity Collar* OD Velocity Collar OD (Write 0 if Velocity Collar Not Applicable) Velocity Collar Thickness* Thk Velocity Collar Thickness Write 0 if Velocity Collar Not Applicable) Bore ID 'd'* Bore ID 'd' mm Tip Thickness* Tip Thickness 't' mm							
Flanged Process Connection Facing BLRF			I .				
BLRTJ	Elanged Desce	Connection Facing					
SORF	rianged Process	s Connection Facing					
Rod Diameter* A							
Rod Diameter* A			5	SUKF			
Top End Diameter* B1	D- 1D' ' '						
Hot End Diameter* B		~ w*					
Velocity Collar* OD							
Velocity Collar Thickness* Thk Velocity Collar Thickness (Write 0 if Velocity Collar Not Applicable) Velocity Collar Thickness (Write 0 if Velocity Collar Not Applicable) Bore ID 'd'* Tip Thickness* t Tip Thickness 't' mm		er*		B			
Velocity Collar Thickness* Thk Velocity Collar Thickness (Write 0 if Velocity Collar Not Applicable) Velocity Collar Thickness (Write 0 if Velocity Collar Not Applicable) Bore ID 'd'* Tip Thickness* t Tip Thickness 't' mm	Velocity Collar*			OD	Velocity Colla	r OD	
Velocity Collar Thickness* Thk	•						
Bore ID 'd'* d	Velocity Collar TI	hickness*		Thk			
Bore ID 'd'* d	volucity Culial 11	HIGHIGGS		1111			
Tip Thickness* t Tip Thickness 't' mm				1		* * * * * * * * * * * * * * * * * * * *	
·	Bore ID 'd'*			d	Bore ID 'd' mr	Bore ID 'd' mm	
·	Tip Thickness*			t	Tip Thickness 't' mm		
Options				·	'		
1 To opinio to a design to a specific to a s	Options				(For options r	efer 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: 400#-MI-2-K-6-20AWG-SS316-IEC584-CJT1001-400-D_IP67-1-HA108-SS316-F316-250-0-80-150-1/2"-150-RF-28-26-16-0-0-7-6-Op 1A,3A,5A,4B,31A,15B,16B

Madel Suffix Codes		Deceription		
Model Suffix Codes 400#TC		Description 400#TC Insert / probes		
Thermocouple Type MI		Mineral Insulated		
3		Triplex		
• • • • • • • • • • • • • • • • • •				
		Nicrosil Nisil		
		TILEO, BI - TILO, O, BI I		
Size of Conductor of TC 16AWG		9.5 mm (For more option refer table F) 1.29032 mm		
		SS321		
INC 600		Inconel 600 (For more options refer table D)		
Details of CJT CJT 201		Crimp on Pot and Lead Wire		
CJT 1001				
CJI 1005		Spring Loaded Terminal Block Od=41 PCD=33(Flameproof) (For more options refer table G)		
Length Below Base Plate Xmm 0-5000(Define Length between 0 to 5000)			
(To be specified by Pyro)	200 20 g 2000 0 to 0000/			
-	P67			
C				
No of Conduit Entries 0	1 10	(For more options refer table H) Select 2 or 1 for Terminal Head & 1-10 for Junction Box		
X X	1-10v	Note Applicable		
Head Assembly Type	 HA108			
Trodu rissombly Typo	HA112			
	HA113			
		(For more options refer table E)		
Well Material	321			
	316			
Flange Material	INC 600			
i lange material	F316			
	F316L			
Well Insertion Length Below Flange mm*	U	Well Insertion Length Below Flange 'U'mm		
Safe Length Below Collar*	U1			
		(Write 0 if Velocity Collar Not Applicable)		
Well extension length including Flange mm*	T			
Head extension length mm*	N			
Flanged Process Connection Size	1.5			
	2			
Fanged Process Connection Rating	150#			
J	300#			
	600#			
	900#			
	1500#			
Flanged Process Connection Facing	2500# BLRF			
Tranged Frocess Confliction Facility	BLRTJ			
	SORF	Slip on Raised Face		
		(Other options available)		
Rod Diameter*	A			
Top End Diameter*	B1			
Hot End Diameter* Velocity Collar*	B			
velocity Culiai	UU	(Write 0 if Velocity Collar Not Applicable)		
l .				
Velocity Collar Thickness*	Thk	ACIOCITA CONST LINCKLESS		
Velocity Collar Thickness*	I nk	(Write 0 if Velocity Collar Not Applicable)		
Velocity Collar Thickness* Bore ID	d	(Write 0 if Velocity Collar Not Applicable)		
		(Write 0 if Velocity Collar Not Applicable) Bore ID 'd' mm		

*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.



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

