

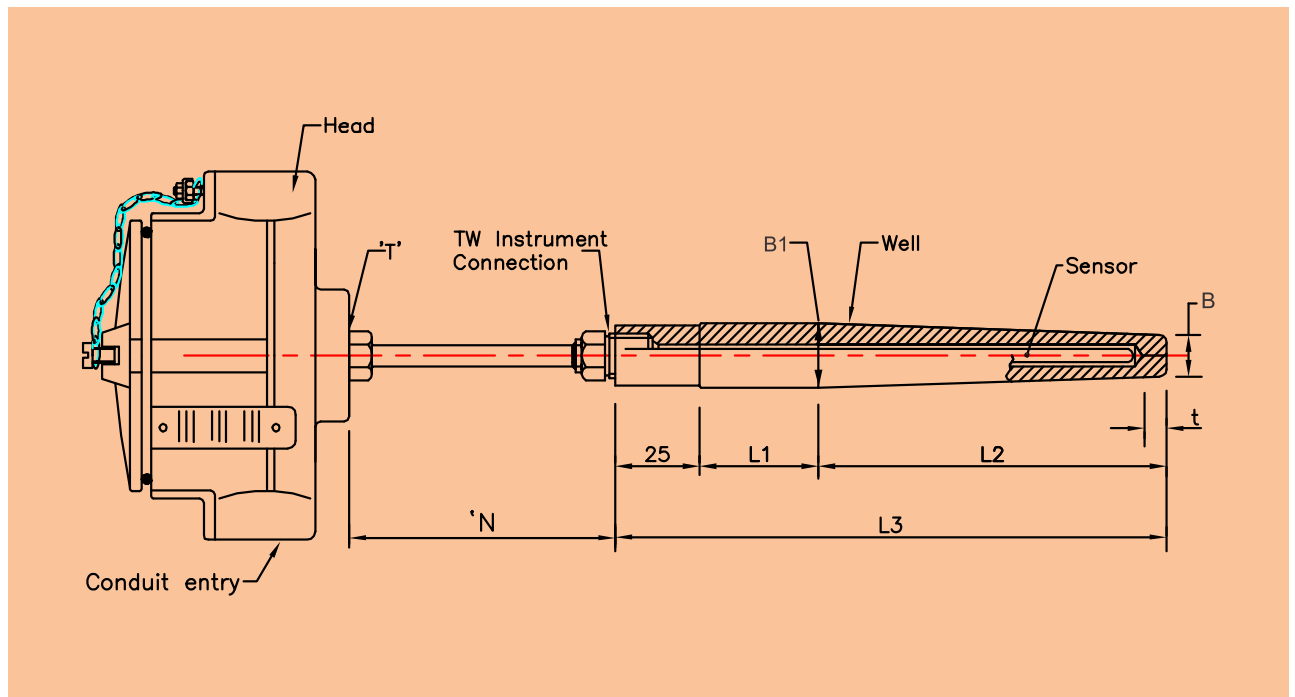
- A Weld-in Thermowell
- Form D as per DIN 43763
- Flameproof or weather proof execution in 316SS or Aluminium
- Available with "in head" 2-wire Temperature Transmitter.

MI Thermocouple or Resistance Thermometer sensor fitted into a terminal head, and provided with head extension and drilled bar stock 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. Various designs are available as standard products, one of which is illustrated in this leaflet. We can design and manufacture assemblies, single/duplex as well as multipoint to suit practically every process.

Thermowells are available in standard AISI 300 series stainless steels as well as, in ferritic steels such as 13CrMo44 or 10CrMo910. The standard execution as shown in this leaflet is with Cd plated CS extension and Aluminium head with screwed cover and conduit entry of PG16 and ungrounded junction for Thermocouples.



Ordering Example - RTD

Model No: 500#-2-Pt100B-3W-6-SS316-IEC751-CJT1001-400-D_IP67-1-HA108-SS316-W-75-125-200-0-150-30-28-22-0-0-7-6-Op 1A,3A,5A,4B,31A,14A

Model	Suffix Codes	Description
500#RTD	500#RTD Assembly
No of Elements	1.....	Simplex
	2.....	Duplex
	3.....	Triplex
Element Type	Pt100A.....	Pt100 Class A tolerance
	Pt100B.....	Pt100 Class B tolerance
	Pt200A.....	Pt200 RTD Class A tolerance
	Pt200B.....	Pt200 RTD Class B tolerance
	Pt500A.....	Pt500 Class A tolerance
	Pt500B.....	Pt500 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 IEC 60529
	C.....	Flameproof Exd IIC T6,IP67 as per IEC 60079 (For more options refer table H)
No Of Conduit Entries	01-10.....	Select 2 or 1 for Terminal Head & 1-10 for Junction Box
	XX	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	321.....	SS 321
	316.....	SS 316
	INC 600.....	Inconel 600 (Other options available)
Well Type Weld In*	W.....	Weld-in
Well Length*	L1.....	Well Length 'L1' mm
Well Length*	L2.....	Well Length 'L2' mm
Well Length*	L3.....	Well Length 'L3' mm
Safe Length Below Collar*	U1.....	Well Insertion 'U1'MM (Write 0 if Velocity Collar not applicable)
Head Extension Length*	N.....	Head extension length 'N' mm
Rod Diameter*	A.....	Rod Diameter 'A' mm
Top End Diameter*	B1.....	Top End Diameter 'B1' 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*	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: 500#-MI-2-K-6-20AWG-SS316-IEC584-CJT1001-400-D_IP67-1-HA108-SS316-W-75-125-200-0-150-30-28-22-0-0-7-6-Op 1A,3A,5A,4B,31A,15B,16B

Model	Suffix Codes	Description
500#TC		500#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 Nisil 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	16AWG..... 18AWG..... 24AWG..... XX.....	1.29032 mm 1.02362 mm 0.51054 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 IEC 60529 Flameproof Exd IIC T6,IP67 as per IEC 60079 (For more options refer table H)
Number of Conduit Entries	01-10.....	Select 2 or 1 for Terminal Head & 1-10 for Junction Box
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	321..... 316..... INC 600.....	SS 321 SS 316 Inconel 600 (Other options available)
Well Type "Weld In"	W.....	Weld-in
Well Length*	L1.....	Well Length 'L1' mm
Well Length*	L2.....	Well Length 'L2' mm
Well Length*	L3.....	Well Length 'L3' mm
Safe Length Below Collar*	U1.....	Well Insertion 'U1' mm (Write 0 if Velocity Collar Not Applicable)
Head Extension Length*	N.....	Head extension length N mm
Rod Diameter*	A.....	Start diameter of rod (To be defined by the manufacturer)
Top End Diameter*	B1.....	Top End Diameter 'B1' 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*	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.