

121# Series

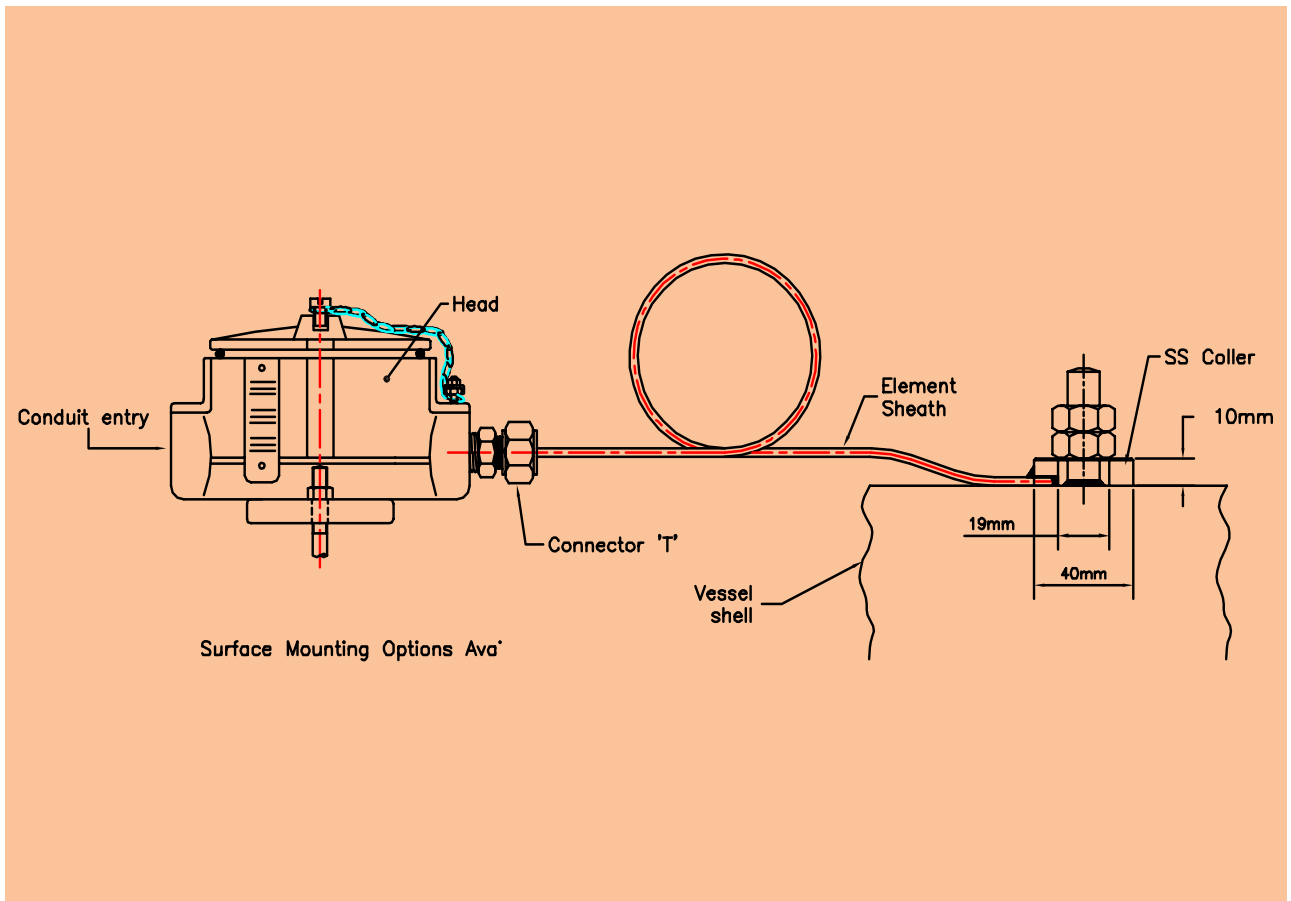
- Suitable as replacement for existing installations.
- Various head assembly types to choose from.
- Flame proof or weather proof execution.
- Terminal head in die cast Aluminium or in Ss316.
- Available with " in head, 2 wire temperature Transmitter



Ms Mi Thermocouple or Resistance Thermometers can be provided with a long MI lead out cable to enable its usage in intricate installations and in high temperature environment. An integral collar enables the Thermocouple to be fitted on the vessel/reactor surface.

Typical applications are measurements of surface temperature of refractory lined vessels, columns, reactors in Petrochemicals plants and Oil refineries.

These Thermocouples are provided with a bracket for surface mounting or for mounting on 2"Nb pipe. Thermocouples are provided with ungrounded junction unless specified otherwise.



Ordering Example - THERMOCOUPLE & RESISTANCE THERMOMETER ASSEMBLIES, LESS WELL

Model NO: 121#MI-2-K-8-20-316-CJT1001-F-1-HA109-B-200-500-SS316-A-1/2"NPT-Op 16

Model	Suffix Codes	Description
121#TC	121#TC Assembly
Insulation Type	ML..... BE.....	Mineral Insulated Ceramic Beaded
Number of Elements	1..... 2..... 3..... 4..... 6..... 9.....	Simplex Duplex Triplex Four Six Nine
Element Type	J..... K..... E..... N.....	Iron Constantan Chromel Alumel Copper Constantan Chromel Constantan Nicrosil Nisil
Sheath Diameter of TC	0.5..... 1..... 1.5..... 2..... 3..... 4..... 4.5..... 6..... 8.....	0.5 mm DIA 1 mm DIA 1.5 mm DIA 2 mm DIA 3 mm DIA 4 mm DIA 4.5 mm DIA 6 mm DIA 8 mm DIA
Size of Conductor of TC	1AWG..... 2AWG..... 3AWG..... 3AWG..... 6AWG..... XX..... Other Options Available	7.34822 mm 6.54304 mm 5.82676 mm 5.18922 mm 0.40386 mm XX
Sheath Material for TC	316..... 316L..... 321..... 310..... 446..... INC 600..... INC 800.....	SS316 SS316L SS321 SS310 SS446 Inconel 600 Inconel 800
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 101..... CJT 201..... CJT 1001..... CJT 1002..... CJT 1005.....	Hot end JN with Bare Tails Crimp on Pot and Lead Wire Spring Loaded Terminal Block OD=41 PCD=33 Spring Loaded Terminal Block OD=55 PCD=33 Spring Loaded Terminal Block TB FP (For more options refer table G)
Head Type	D IP67..... C CCOE..... C ATEX..... JD..... HA..... KA..... KB..... XX.....	Weatherproof with IP67 Flameproof Exd IIC T6 IP67 as per IEC 60079 Atex FP IIC with Atex Certificate Junction Box WP Hinged Head DIN KA W/P DIN KA W/P XX
Number of Conduit Entries	1..... 2..... Other Options available	Single Entry Two Entries
Head Assembly Type	Ha101..... Ha102..... Ha103..... Ha104..... Ha105..... Ha106..... Ha107..... Ha108..... Ha109.....	Head only with T(M) Head Nipple with T (M) Head Nipple-Union T (M) Head Nipple-Union-Nipple T (M) Head with Support Tube & T(M) Head with Insert CJT 601 Head with Insert CJT 701 Head with Insert CJT 701A Head-3 Piece Extension & T(M) Head with ADJ Com Fitting
Head Extension 120/121/122/123/124	S..... B..... P..... L..... LN.....	Surface Mounting for Junction Box Bracket Mounting for Head 2" NB Pipe Mounting Local Mounting without Bracket Local Mounting with Extension Nipple
Length of Insert/Probe OL MM	0-50000.....	Length of Insert/Probe OL MM
Collar Material	SS316..... SS321..... SS310..... INC 600..... INC 800..... SS446..... SS304..... XX.....	SS316 SS321 SS310 INC 600 INC 800 SS446 SS304 XX
Collar Dimension	A..... B..... C.....	OD=30, ID=19, Thick=10 OD=40, ID=19, Thick=10 OD=40, ID=19, Thick=10
Mounting Threads T	T-1/4NPTM..... T-1/4NPSM..... T-1/4BSPM..... T-1/4BSPFM..... T-1/4ETM..... XX..... Other Options Available	1/4" NPT(M) 1/4" NPS(M) 1/4" BSP(M) 1/4" BSP(FM) 1/4" ET(M) XX
Options.....	Please refer Option list

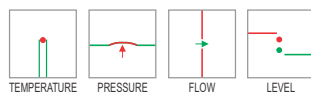
Note: For field which are not applicable, select 'XX' or enter '0' whichever is mentioned.

INDIA

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