



# General Technical Specifications

No.	Parameters	Temperature Sensors	
<b>A</b>	<b>Sensors</b>	<b>Thermocouples</b>	<b>Resistance Temperature Detectors (RTD's)</b>
1	Type	K, J. (For other Type, consult factory)	Pt100, PT200, PT1000, Ni120, Ni1000
2	SS pipe sheathing	MI (Flexible) OR Rigid Stem.	
3	Insulation Material	Mgo	
4	Diameter	1.0mm onwards	
5	Construction	Grounded / Ungrounded / Exposed	2, 3, 4, 6, 8 wire
6	Configuration No of Terminal Pairs	Simplex, Duplex, Triplex	
7	Permissible Deviation / Class of Accuracy (IEC 584, MC96.1)	0.75% OR 2.2° C whichever is higher	Pt100 element Type: Class A – [0.15 + 0.002 (t)]° C Class B – [0.30 + 0.005 (t)]° C Accuracy better than Class A also Available
8	Type of Termination	Head, Cable, Flying Leads, Handle, Connectors, Lugs, Ring Terminals - fork type, Pin Type.	
9	Isolation Resistance (at ambient Temperatures)	>100MΩ to > 1000MΩ at 500V D.C. depending on diameter.	
10	Operating Temperature	(-)273° C to (+) 1100° C	(-) 200° C to (+) 600° C
11	Sheath Materials	SS 304, SS 310, SS 316, SS 316L, Inconel 600. (For other Materials, consult Factory)	
<b>B</b>	<b>Process Connections</b>	» <b>Adaptors (couplings), Holders (Bayonet Caps, Lock Caps), Adjustable Glands, Bolts, etc.</b> » <b>Flanges and Sanitary Fittings</b>	
1	Terminal Head	Cast Aluminum Powder Coated Head with SS Chain, SS head, GI Head, mini Head, Flame Proof / Weather Proof Head – IP 55, IP65, IP 66, IP 67.	



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C	Cables	Extension – up to t/c range Compensating – 0° C to 200° C	Nickel Plated Copper Silver Plated Copper
1	Type	Single Strand and Multi Strand available in both SWG and AWG 7/36 SWG, 7/32 AWG, 1/24 SWG, 7/30 SWG, etc available	
2	Cable Insulation	Mineral Insulated, Silicon Ruber, PTFE, Fiberglass, PVC, High Temperature Ceramic Yarn, PFA, FEP (For Other Insulation Consult Factory)	
3	Cable Protection	Screen: Individual or overall Copper/SS/Aluminum with Mylar tape; Flexible Conduit / S.S. Armour: GI round wire / Flat Wire	
D	Thermowell	Bar Stock & Tube stock (fabricated / tube welded) designs. Can be made as per custom requirement.	
1	Type	Cylinder, Flanged, conical (tapered), two step narrowed tip, etc.	

***NEW PRODUCT DEVELOPMENTS ARE MOST WELCOME.***