

# Thermocouple Sensor With Ceramic Sheath

**CST**



Ceramic Sheath Thermocouple With IP-65/ IP-67 Die Cast Aluminum Head Are Available From Outer Diameter of 12mm, 20mm, 32mm & also as per customer Requirements. For Connection to The Extension Cable There is a Ceramic Terminal Block Inside The Head. Here Ceramic Sheath is Inserted into a Metal Support Tube & Thermocouple Element Insulated By Ceramic Sleeves. . Flange should provide as per customer need. The Sensor Can Be Custom Manufactured to Suit Your Exact Application Requirements.

| Sl. No. | Parameter   | Variants                                 |
|---------|---|--|
| 1       | Sensor Type   | • J / K / R / S / T / B                  |
| 2       | Probe Length , Outer & Inner Tube O.D. & I.D., SS Sleeves & Flange Dimension, Operating Temperature | • User Defined                           |
| 3       | Sheath Materials  | • IN-600 / SS310 / SS316 / SS304 / SS202 |
| 4       | Junction  | • Grounded / Ungrounded                  |

## Ordering Information For Model Selection:-

| CST                   |                      | 1                              | 2                         | 3                         | 4                              | 5   | 6  | 7  | 8 |
|-----------------------|----------------------|--------------------------------|---------------------------|---------------------------|--------------------------------|---|--|--|---|
| <b>Conductor Type</b> |                      | <b>Probe Length</b>            | <b>Outer Tube OD / ID</b> | <b>Inner Tube OD / ID</b> | <b>Ceramic Tube Material</b>   | <b>Sensing Junction</b>                           | <b>Flange Fittings</b><br>OD/PCD/No. Of Hole/Hole ID | <b>Wire Gauge</b>  |   |
| "J" For "J" Type T/C  | "K" For "K" Type T/C | User's Defined<br>(Below Head) | User's Defined            | User's Defined            | "60" For K-60<br>"90" For K-90 | "1" Simplex Un-Grounded<br>"2" Duplex Un-Grounded | User Defined   | "0.30" For 0.30mm Dia<br>"0.33" For 0.33mm Dia<br>"0.35" For 0.35mm Dia<br>"0.40" For 0.40mm Dia |   |
| "R" For "R" Type T/C  | "S" For "S" Type T/C |                                |                           |                           |                                |   |  |  |   |
| "B" For "B" Type T/C  |                      |                                |                           |                           |                                |   |  |  |   |

## Example:-

| CST                   |  | R                   | 600                       | 20/15                     | 12/8                         | 60                      | 1  | 90/70/10/4/15     | 0.33 |
|-----------------------|--|---------------------|---------------------------|---------------------------|------------------------------|-------------------------|--|-------------------|------|
| <b>Conductor Type</b> |  | <b>Probe Length</b> | <b>Outer Tube OD / ID</b> | <b>Inner Tube OD / ID</b> | <b>Ceramic Tube Material</b> | <b>Sensing Junction</b> | <b>Flange Fittings</b><br>OD/PCD/No. Of Hole/Hole ID                 | <b>Wire Gauge</b> |      |
| "R" For "R" Type T/C  |  | 600 mm              | 20/15 mm                  | 12/8 mm                   | "60" For K-60                | "1" Simplex Un-Grounded | OD-90mm, PCD-70mm<br>Thickness-10mm, No. Of Hole-4Nos., Hole ID-15mm | 0.33 mm           |      |



# SORAJ INSTRUMENTS & CONTROL ENTERPRISE

( An ISO 9001:2015 & 14001:2004 Certified & NSIC Approved Company )

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