

# TE25 High Accuracy Sensor Assembly c/w Opened-End Thread Thermowell

Sensor Type	
R	RTD, PT100, 1/100 DIN, $\pm 0.03^{\circ}\text{C}$ at $0^{\circ}\text{C}$
T1	Thermistor 10K, $\pm 0.05^{\circ}\text{C}$ at $0^{\circ}\text{C}$ to $50^{\circ}\text{C}$
Tolerance Type	
1	$\pm 0.03^{\circ}\text{C}$ at $0^{\circ}\text{C}$ for 1/10 DIN, IEC751, combined uncertainty $\pm 0.03^{\circ}\text{C}$
2	$\pm 0.05^{\circ}\text{C}$ for Thermistor 10K, combined uncertainty $\pm 0.03^{\circ}\text{C}$
Sensor Sheath	
TU1	Tubing RTD $\varnothing$ 3.2mm - Single 4 wires (SS316)
TU3	Tubing Thermistor 10K $\varnothing$ 3.2mm - Single 2 wires (SS316)
*Note: Thermistor 10K, 4 wires available upon request	
Wire Junction	
U	Ungrounded (STD)
Complete Design	
W	With opened-end thread thermowell
WO	Thermowell is not required
B	Base plate and terminal block
L1	Epoxy holder and lead wire (TE/TE, AWG 26), 125mm STD
*Note: 150mm, 200mm, 250mm, and 300mm are available as option	
Process Connection	
PC1	1/2" NPT Male
PC2	1/2" BSP Male
Y	Special version, to be specified
-	Not applicable
Thermowell Stem Dimension	
TW1	Root $\varnothing$ 14mm, Tip $\varnothing$ 10.5mm, Bore $\varnothing$ 6.6mm
Y3	Special version, to be specified
-	Not applicable
Thermowell Insertion Length / Sensor Length if Thermowell is not required	
XXX	To be specified (e.g. 0125mm for 125mm long)
Lagging length "T"	
T	45mm STD
Y4	Special version, to be specified
Accessories	
T1	Test Plug size: 1/4" NPT Male, Material: SS316
V1	Test Plug size: 1/4" NPT Female, Material: SS316
VT	Ball Valve and Test Plug size: 1/4" NPT
Y5	Special version, to be specified
-	Not applicable
Housing / Enclosure	
W1	Weatherproof, IP65, Polypropylene, White colour
W2	Weatherproof, IP65, Die Cast Aluminium, Blue colour
W2	Weatherproof, IP65, Polypropylene, Silver colour
Y6	Special version, to be specified
-	Connection not required
Accessories from customer to assembly with	
TX	Head mounted transmitter
-	Not applicable
Documents (Optional) Calibration certificate	
1	Three Points ( $0^{\circ}\text{C}$ to $50^{\circ}\text{C}$ ) - Available Upon request
*Note: Non-Singlas / Singlas Calibration / Factory Test report	
TE25	<<< Order Code