

TSC

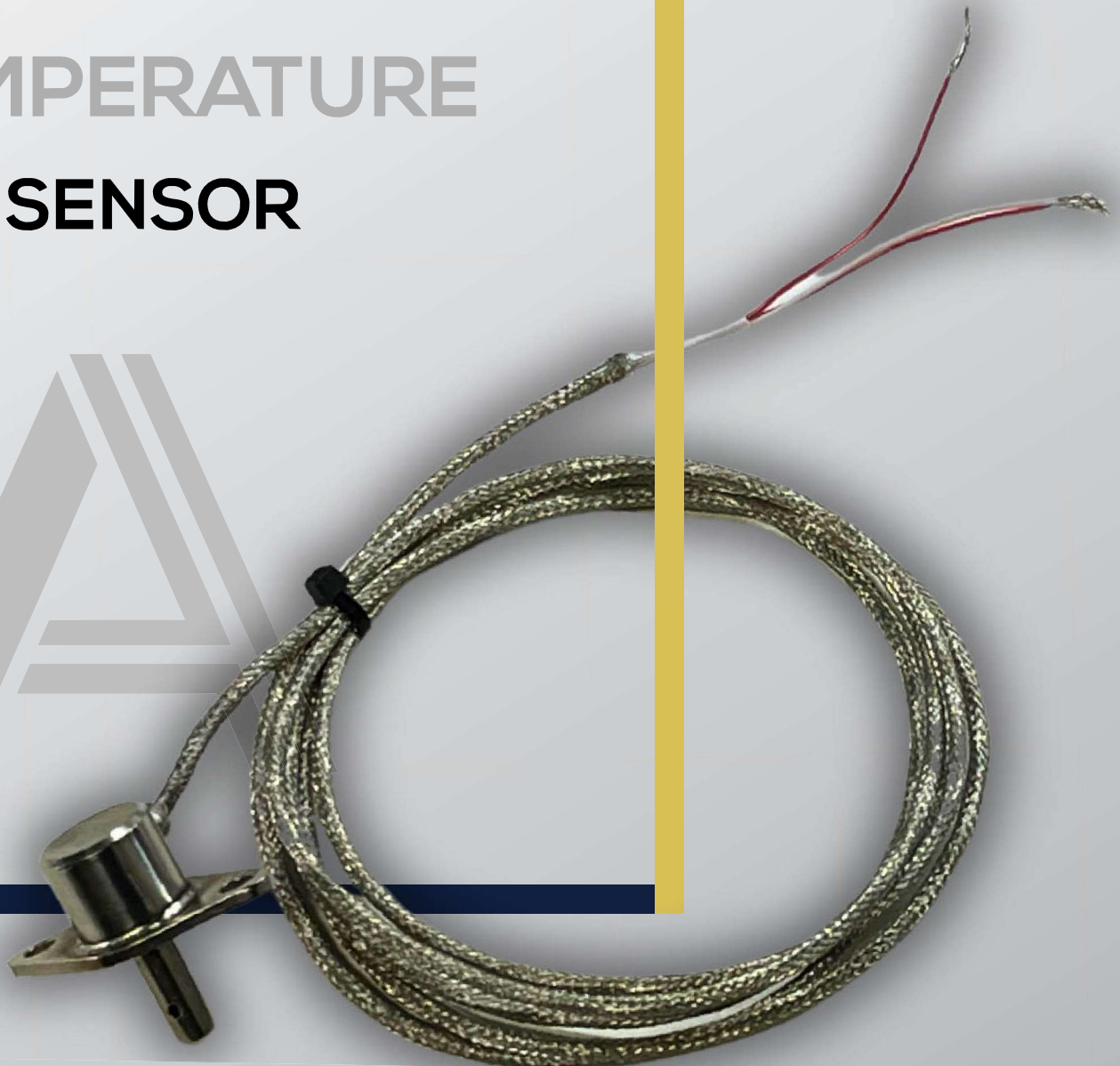


ANALYSIS LTD

AS9100D quality system

www.analysis-ltd.com.gr

TEMPERATURE SENSOR



Version: TSC1..1,21-09-25

APPLICATIONS

Defense and aerospace
 Marine and Industrial applications
 Oil lubrication and hydraulic oil and refrigeration plants
 Exhaust gas from diesel engines
 Internal combustion engines, compressors and turbines

FEATURES

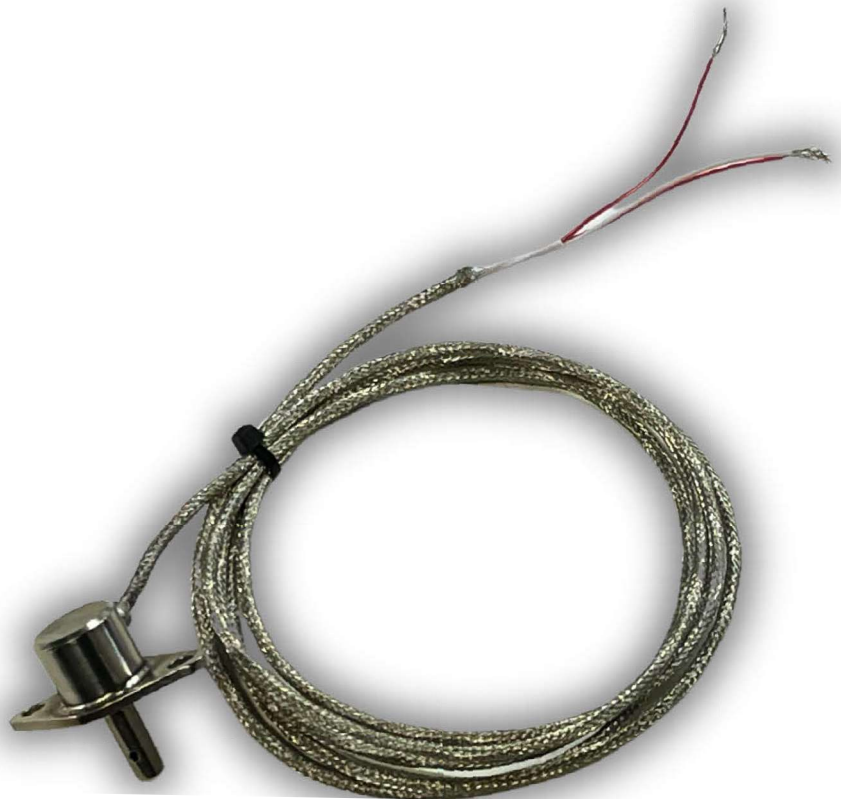
Reliable and accurate measurement with thermoresistance (RTD) or thermocouple element
 Electrical connection with cable
 Protection sheath material AISI304 or AISI316 with a wide range of diameters
 Protection sheath: tube or Solid drilled.
 Shock and Vibration Resistance 13.2-100Hz at 0.7g and 25-100Hz at 4.0g

THERMORESISTANCE (RTD) FEATURES

Sensing element PT100 or PT1000 Class B DIN EN 60751
 Two, three or four wires electrical connection, single or double element
 Measuring temperature range -50C to 200C
 Measuring temperature range -50C to 700C
 Max ambient temperature 90C
 Measuring current: PT100: at 20C 0.3 to 5mA max
 Measuring current: PT1000: at 20C 0.3 to 5mA max

THERMOCOUPLE FEATURES

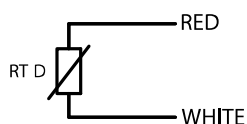
Sensing element thermocouple Class 1 EN60584-2. Single or double.
 Measuring temperature range 0C to 800C
 Max ambient temperature 90C



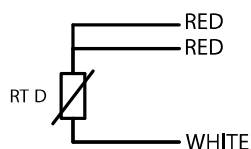


Thermoresistance. Cable Color code according to DIN EN 60751

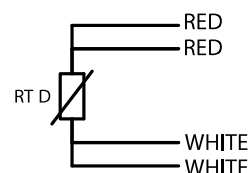
1 x RTD 2 wires



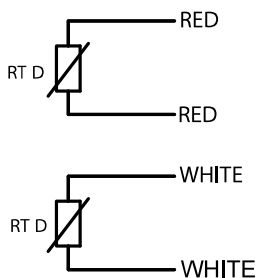
1 x RTD 3 wires



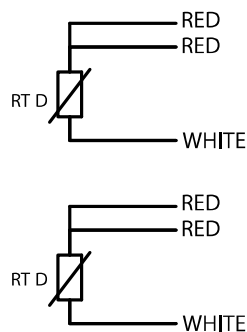
1 x RTD 4 wires



2 x RTD 2 wires

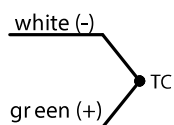


2 x RTD 3 wires

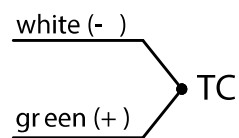
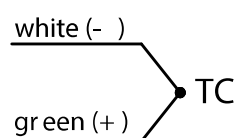


Thermocouple. Color code according to EN 60584-2

1 x TC



2 x TC



TSC

ORDER CODE



ANALYSIS LTD

ORDER CODE FOR TSC

SENSOR ELEMENT: THERMORESISTANCE (RTD) OR THERMOCOUPLE

1xPT100 Class B - 2 Wires DIN EN 60751	1								
1xPT100 Class B - 3 Wires DIN EN 60751	2								
1xPT100 Class B - 4 Wires DIN EN 60751	3								
2xPT100 Class B - 4 Wires DIN EN 60751	4								
2xPT100 Class B - 6 Wires DIN EN 60751	5								
1xPT1000 Class B - 2 Wires DIN EN 60751	6								
1xPT1000 Class B - 3 Wires DIN EN 60751	7								
1xPT1000 Class B - 4 Wires DIN EN 60751	8								
2xPT1000 Class B - 4 Wires DIN EN 60751	9								
2xPT1000 Class B - 6 Wires DIN EN 60751	10								
1xTYPE K (NiCr-Ni) Class 1 EN60584-2	1K								
2xTYPE K (NiCr-Ni) Class 1 EN60584-2	2k								

PROTECTION SHEATH

SOLID DRILLED (for D>12mm)		SD							
TUBE		S							

TEMPERATURE RANGE

-50C to 200C (element sensor RTD)			RL						
-50C to 700C (element sensor RTD)			RH						
0C to 800C (element sensor Thermocouple)			T						

LENGTH L[mm ±1]

From 50mm to 250mm				---					
OTHER LENGTH L [mm] ON REQUEST				XXX					

PROTECTION SHEATH MATERIAL

AISI 304					4				
AISI 316					6				

DIAMETER D[mm]

8						8			
9.5						9.5			
10						10			
12						12			
15						15			

PROCESS CONNECTION

G3/4" MALE							G34M		
G1/2" MALE							G12M		
M24x1.5 MALE							M24M		
G3/4" FEMALE							G34F		
G1/2" FEMALE							G12F		
M24x1.5 FEMALE							M24F		
OTHER PROCESS CONNECTION ON REQUEST							XXXX		

CABLE LENGTH LC[mm ±40]:

From 500mm to 10,000mm								----	
OTHER CABLE LENGTH LC ON REQUEST								XXXX	

CABLE MATERIAL

PTFE/PTFE/Screen (-60C to 260C)									PPS
OTHER CABLE MATERIAL ON REQUEST									XXX