

IMMERSION TEMPERATURE SENSOR

TSD00AX

FEATURES

- Direct measurement
- Short response time
- NTC 10KΩ B3435
- -20...140°C
- EN 60730-2-9 approved

APPLICATIONS

- Boilers
- Heating systems
- Heat exchangers
- Cooling systems



GENERAL INFORMATION

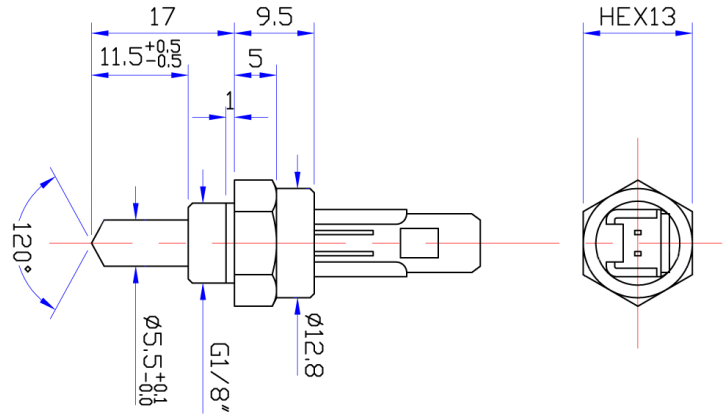
Featuring direct temperature measurement in the medium (water, oil, gas, air etc.), these top-quality miniature immersion sensors offer advantages over surface sensors in terms of response time and accuracy.

GENERAL TECHNICAL INFORMATION

Characteristic	Parameter	Value	Unit
Operating temperature	T_{op}	-20...140	°C
Resistance tolerance NTC (@60°C)	ΔR_R	±3	%
Thermal time constant (67%)	τ_a	<5	s
Insulation resistance	R_{ins}	>200	MΩ
Test Voltage (t = 1s)	V_{test}	2000	V _{AC}

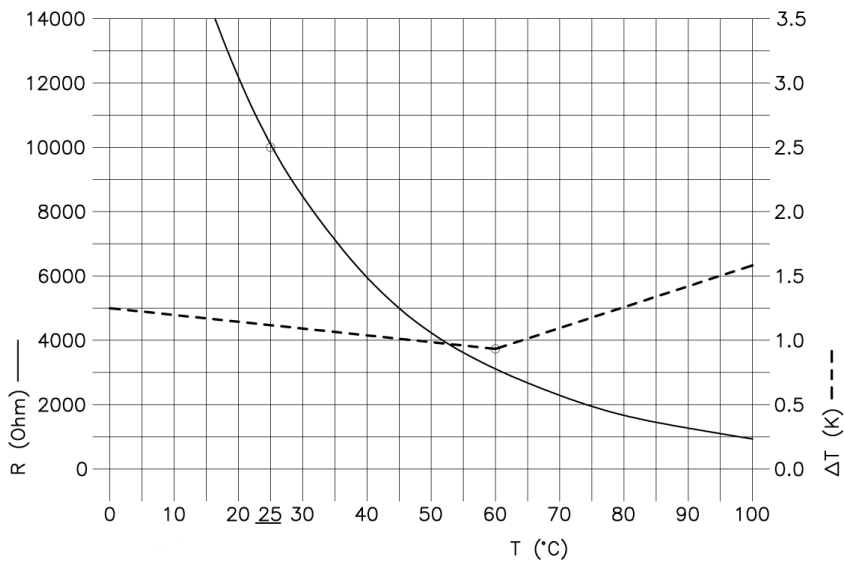
MEASUREMENTS & MATERIALS

Housing material : Nickel plated Brass
 Electrical connection : Lumberg 2,5 MSF
 Connector material : White / red / blue / grey Makrolon



RESISTANCE VALUES NTC 10K Ω 3%@60°C B3435

T(°C)	Rn(Ohm)
0	27396
5	22140
10	17999
15	14716
20	12099
25	10000
30	8308
35	6936
40	5819
45	4904
50	4151
55	3529
60	3012
65	2582
70	2221
75	1918
80	1663
85	1446
90	1262
95	1105
100	970



Tasseron Sensors B.V.
 Ambachtshof 50
 NL-2632 BB Nootdorp
 The Netherlands
 Tel: +31 (0)15 310 40 00
 Fax : +31 (0)15 310 40 40
 Email: sensors@tasseron.nl

Tasseron Sensors Inc.
 2401 Reach Road
 Williamsport, PA 17701
 United States
 Tel: +1 (570)601-1971
 Fax : +1 (570)601-1972
 Email: sales@tasseronusa.com