

TEAT NI1000-LG IMMERSION TEMPERATURE SENSOR

TEAT Ni1000-LG temperature sensor is made for detecting the temperature of heating and cooling water. Sensor is always installed in a pocket of stainless (AT80) or acid-proof steel (ATH80) or brass (ATM80).

Temperature is detected by a Ni1000-LG sensor element with a nominal resistance of 1000 ohm / 0°C. The pocket is installed to the water pipe by means of threads R1/2".

Housing is made of heat resistant plastics. The screw cover and the terminal blocks tilted to 45° make an easy installation.

Available is also the ATH 300 pocket with 310 mm immersion length.

Temperature/Resistance:

°C	Ni1000LG/Ω	°C	Ni1000LG/Ω
120	1616,4	25	1114,0
100	1500,0	20	1090,7
90	1444,4	15	1067,6
80	1390,1	10	1044,8
75	1363,5	5	1022,3
70	1337,1	0	1000,0
65	1311,1	-5	978,0
60	1285,4	-10	956,2
55	1260,1	-15	934,7
50	1235,0	-20	913,5
45	1210,2	-25	892,5
40	1185,7	-30	871,7
35	1161,5	-40	830,8
30	1137,6	-50	790,9



Technical data:

Sensor	Ni1000-LG
Mounting	R 1/2", threads
Stem (sensor)	6 mm x 85 mm stainless steel
Stem (pocket)	Ø 8 mm x 80 mm steel/brass
Housing	plastic (< 120 °C)
Prot. class	IP 54, cable entry or stem down
Cable entry	M16
Range	-50...120 °C
Accuracy	± 0.5 °C (at 0 °C)
Pressure rating	PN 16

Ordering guide:

Model	Product number	Description
TEAT NI 1000-LG	1178070	immersion sensor for 80 mm pocket
AT 80	1170010	Ø 8 mm x 80 mm stainless steel pocket
ATM 80	1170030	Ø 8 mm x 80 mm brass pocket
ATH 80	1170020	Ø 8 mm x 80 mm acid-proof steel pocket
TEAT Ni1000-LG-300	1178076	immersion sensor for 300 mm pocket
ATH 300	1170021	Ø 8 mm x 300 mm acid-proof steel pocket

Products fulfil the requirements of directive 2004/108/EY and are in accordance with the standards EN61000-6-3: 2001 (Emission) and EN61000-6-2: 2001 (Immunity).

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