PRODUAL
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IMMERSION TEMPERATURE SENSOR TEAT NI 1000

TEAT NI 1000 temperature sensor is made for detecting the temperature of heating and cooling water. Sensor is always installed in a pocket. The available pocket materials are stainless steel, acid-proof steel and brass.

Temperature is detected by a Ni sensor element with a nominal resistance of 1 kΩ at 0 °C.

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

Sensor resistance at different temperatures:

°C	Ω	°C	Ω
120	**1760**	25	**1141**
100	**1618**	20	**1112**
90	**1549**	15	**1084**
80	**1483**	10	**1056**
75	**1450**	5	**1028**
70	**1417**	0	**1000**
65	**1385**	-5	**973**
60	**1353**	-10	**946**
55	**1322**	-15	**919**
50	**1291**	-20	**893**
45	**1260**	-25	**867**
40	**1230**	-30	**842**
35	**1200**	-40	**791**
30	**1171**	-50	**743**

Technical data:

sensor	Ni 1000 element, 1 kΩ at 0 °C
mounting	R ½" thread
housing	Plastic (< 120 °C)
protection class	IP54, cable entry or stem down
cable entry	M16
range	-50…+120 °C
accuracy	±0,4 °C at 0 °C
pressure rating	PN16
time constant	5 s
materials	PBT, PC, PA, acid proof steel

Ordering guide:

Model	Product number	Description
TEAT NI 1000	117C070	immersion sensor for 80 mm pocket
AT 80	1170010	Ø 8 mm x 90 mm stainless steel pocket
ATM 80	1170020	Ø 8 mm x 90 mm brass pocket
ATH 80	1170030	Ø 8 mm x 90 mm acid-proof steel pocket
ATS 80	1170001	Ø 8 mm x 90 mm acid-proof steel pocket (sea water resistant)
ATH 300	1170021	Ø 8 mm x 310 mm acid-proof steel pocket

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

Produal Oy Keltakalliontie 18, 48770 Kotka FINLAND Tel: +358-5-230 9200 / Fax: +358-5-230 9210 info@produal.fi **www.produal.com**

Information is subject to change without prior notice.