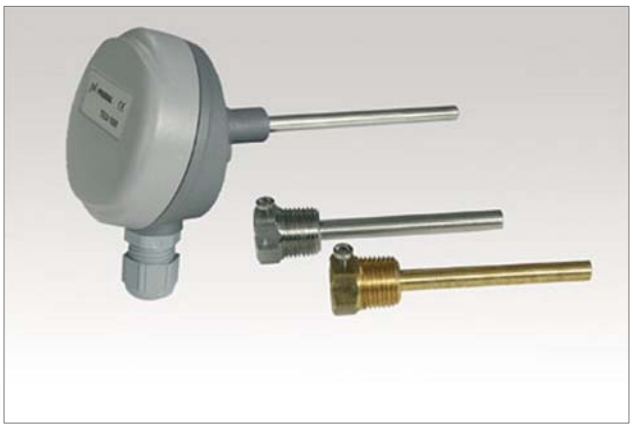
IMMERSION TEMPERATURE SENSOR TEAT NTC 1.8

TEAT NTC 1.8 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 NTC sensor element with a nominal resistance of 1.8 kΩ at 25 °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	**110**	25	**1800**
100	**178**	20	**2177**
90	**230**	15	**2649**
80	**303**	10	**3241**
75	**349**	5	**3989**
70	**403**	0	**4940**
65	**468**	-5	**6159**
60	**545**	-10	**7730**
55	**638**	-15	**9771**
50	**750**	-20	**12 443**
45	**885**	-25	**15 969**
40	**1049**	-30	**20 659**
35	**1250**	-40	**35 480**
30	**1496**	-50	**63 229**

Technical data:

sensor	NTC 1.8, 1.8 kΩ at 25 °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	±0.3 °C at 25 °C
pressure rating	PN16
time constant	5 s
materials	PBT, PC, PA, acid proof steel

Ordering guide:

Model	Product number	Description
TEAT NTC 1.8	117E070	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).

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