

TEAT 1000 IMMERSION TEMPERATURE SENSOR

TEAT 1000 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).

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

Temperature is detected by a PTC1000 thermistor sensor with a nominal resistance of 1000 ohm / 25°C. The pocket is installed to the water pipe by means of threads R1/2".

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

Temperature/Resistance:

°C	PTC / Ω	°C	PTC / Ω
120	1923	25	1000
100	1700	20	961
90	1594	15	923
80	1492	10	886
75	1442	5	850
70	1394	0	815
65	1347	-5	781
60	1300	-10	748
55	1254	-15	716
50	1209	-20	685
45	1166	-25	655
40	1123	-30	625
35	1081	-40	570
30	1040	-50	518



Technical data:

Sensor	1000 Ω PTC thermistor
Connection	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	± 1.3 °C (at 0 °C)

Ordering guide:

Model	Product number	Description
TEAT 1000	1171070	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 1000-300	1171076	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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