

IMMERSION TEMPERATURE SENSOR TEAT NTC 10-AN

TEAT NTC 10-AN 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 10 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	483	25	10 000
100	817	20	12 268
90	1084	15	15 136
80	1458	10	18 787
75	1700	5	23 462
70	1990	0	29 490
65	2339	-5	37 316
60	2760	-10	47 549
55	3271	-15	61 030
50	3893	-20	78 930
45	4656	-25	102 890
40	5594	-30	135 233
35	6754	-40	239 831
30	8197	-50	441 667



Technical data:

sensor	NTC 10-AN, 10 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	±0.25 °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 10-AN	117H070	immersion sensor for 80 mm pocket
AT 80	1170010	∅ 8 mm x 90 mm stainless steel pocket
ATM 80	1170020	∅ 8 mm x 90 mm brass pocket
ATH 80	1170030	∅ 8 mm x 90 mm acid-proof steel pocket
ATS 80	1170001	∅ 8 mm x 90 mm acid-proof steel pocket (sea water resistant)
ATH 300	1170021	∅ 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).