

IMMERSION TEMPERATURE SENSOR TEAT NTC 10-C

TEAT NTC 10-C 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 k Ω 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	597	25	10 000
100	973	20	12 090
90	1266	15	14 690
80	1668	10	17 960
75	1924	5	22 050
70	2228	0	27 280
65	2588	-5	33 900
60	3020	-10	42 470
55	3536	-15	53 410
50	4160	-20	67 770
45	4911	-25	86 430
40	5827	-30	111 300
35	6940	-40	-
30	8313	-50	-



Technical data:

sensor	NTC 10-C, 10 k Ω at 25 °C
mounting	R 1/2" 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-C	117M070	immersion sensor for 80 mm pocket
AT 80	1170010	\varnothing 8 mm x 90 mm stainless steel pocket
ATM 80	1170020	\varnothing 8 mm x 90 mm brass pocket
ATH 80	1170030	\varnothing 8 mm x 90 mm acid-proof steel pocket
ATS 80	1170001	\varnothing 8 mm x 90 mm acid-proof steel pocket (sea water resistant)
ATH 300	1170021	\varnothing 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).