

IMMERSION TEMPERATURE SENSOR TEAT NTC 10-KB

TEAT NTC 10-KB 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 5025 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	467	25	5025
100	723	20	5573
90	923	15	6126
80	1194	10	6667
75	1364	5	7183
70	1562	0	7661
65	1791	-5	8093
60	2056	-10	8472
55	2358	-15	8796
50	2702	-20	9067
45	3088	-25	9288
40	3517	-30	9466
35	3987	-40	9712
30	4492	-50	9854



Technical data

sensor	NTC 10-KB element
mounting	R 1/2" thread
housing	plastic (< 120 °C)
protection class	IP54, cable entry or stem down
cable entry	M16
range	-50...+100 °C
accuracy	±0.5 °C at 25 °C
pressure rating	PN16

Ordering guide:

Model	Product number	Description
TEAT NTC 10-KB	117B070	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
ATS 80	1170001	Ø 8 mm x 90 mm, acid proof steel pocket (sea water resistant)
ATH 300	1170021	Ø 8 mm x 300 mm acid-proof steel pocket

Products fulfil 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).