IMMERSION TEMPERATURE SENSOR TEAT NTC 2.2

TEAT NTC 2.2 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 2.2 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	**90**	25	**2252**
100	**153**	20	**2813**
90	**207**	15	**3538**
80	**283**	10	**4482**
75	**334**	5	**5718**
70	**395**	0	**7353**
65	**469**	-5	**9533**
60	**560**	-10	**12 460**
55	**673**	-15	**16 428**
50	**811**	-20	**21 860**
45	**984**	-25	**29 398**
40	**1200**	-30	**39 908**
35	**1471**	-40	**75 953**
30	**1814**	-50	**151 470**

Technical data:

sensor	NTC 2.2, 2.2 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 2.2	1172070	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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