

## TEAT NTC20 IMMERSION TEMPERATURE SENSOR

TEAT NTC20 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).

Temperature is detected by an NTC20 thermistor sensor with a nominal resistance of 20 kohm / 25°C. The pocket is installed to the water pipe by means of threads R1/2".

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

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

### Temperature/Resistance:

°C	NTC 20 / Ω	°C	NTC 20 / Ω
120	609	25	20000
100	1114	20	25350
90	1541	15	32346
80	2166	10	41567
75	2585	5	53812
70	3099	0	70203
65	3732	-5	92322
60	4517	-10	122431
55	5494	-15	163777
50	6718	-20	221088
45	8259	-25	301297
40	10211	-30	414698
35	12698	-40	810861
30	15887	-50	1659082



### Technical data:

Sensor	20 kΩ NTC thermistor
Mounting	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	± 0.2 °C (at 25 °C)

### Ordering guide:

Model	Product number	Description
TEAT NTC 20	1176070	immersion sensor for 80mm pocket
AT 80	1170010	stainless steel pocket Ø 8 mm x 80 mm
ATM 80	1170030	brass pocket Ø 8 mm x 80 mm
ATH 80	1170020	acid-proof steel pocket Ø 8 mm x 80 mm
TEAT NTC 20-300	1176076	immersion sensor for 300mm pocket
ATH 300	1170021	acid-proof steel pocket Ø 8 mm x 300 mm

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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