pd PRODUAL

measure - be sure.

TEAT NTC10 IMMERSION TEMPERATURE SENSOR

TEAT NTC10 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 NTC10 thermistor sensor with a nominal resistance of 10 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 10 / Ω	°C	NTC 10 / Ω
120	389.0	25	10000.0
100	680.0	20	12490.0
90	917.7	15	15710.0
80	1258.0	10	19900.0
75	1480.0	5	25400.0
70	1752.0	0	32650.0
65	2082.0	-5	42340.0
60	2488.0	-10	55330.0
55	2968.0	-15	72980.0
50	3603.0	-20	97070.0
45	4368.0	-25	130400.0
40	5327.0	-30	177000.0
35	6532.0	-40	336500.0
30	8057.0	-50	670100.0

Technical data:

Sensor	10 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)
Pressure rating	PN 16

Ordering guide:

Model	Product number	Description
TEAT NTC 10	1175070	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
TEAT NTC 10-300	1175076	immersion sensor for 300 mm pocket
ATH 300	1170021	Ø 8 mm x 300 mm acid-proof steel pocket

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).