

## TEAT PT 100 IMMERSION TEMPERATURE SENSOR

TEAT PT 100 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 a Pt100 sensor element with a nominal resistance of 100 ohm / 0°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	PT 100 / Ω	°C	PT 100 / Ω
120	146.06	25	109.73
100	138.50	20	107.79
90	134.70	15	105.85
80	130.89	10	103.90
75	128.98	5	101.95
70	127.07	0	100.00
65	125.16	-5	98.04
60	123.24	-10	96.09
55	121.32	-15	94.12
50	119.40	-20	92.16
45	117.47	-25	90.19
40	115.54	-30	88.22
35	113.61	-40	84.27
30	111.67	-50	80.31



### Technical data:

Sensor	Pt100 EN 60751/B
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

### Ordering guide:

Model	Product number	Description
TEAT PT 100	1173070	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 PT 100-300	1173076	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).

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