

## **FAST RESPONSE IMMERSION SENSOR TENA PT 1000**

TENA PT 1000 sensor is especially designed for hot domestic water temperature control applications. Sensor stem is made of stainless steel for prolonged life.

Temperature is detected by a Pt1000 element with a nominal resistance of 1000  $\Omega$  at 0 °C.

Housing is made of heat resistant plastics. The screw cover and the terminal blocks tilted to 45° make an easy installation. Sensor is installed to the water pipe by means of the R1/2" threads.

## Sensor resistance at different temperatures:

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°C	Ω	°C	Ω
120	1460.6	25	1097.3
100	1385.0	20	1077.9
90	1347.0	15	1058.5
80	1308.9	10	1039.0
75	1289.8	5	1019.5
70	1270.7	0	1000.0
65	1251.6	-5	980.4
60	1232.4	-10	960.9
55	1213.2	-15	941.2
50	1194.0	-20	921.6
45	1174.7	-25	901.9
40	1155.4	-30	882.2
35	1136.1	-40	842.7
30	1116.7	-50	803.1



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Sensor	Pt1000 EN 60751/B
Mounting	R1/2" threads
Stem	4 mm x 80 mm HST steel
Housing	plastic (< 120 °C)
Prot. class	IP54, cable entry or stem down
Cable entry	M16
Range	-50+120 °C
Accuracy	± 0.3 °C (at 0 °C)
Time constant	ca 2.5 s
Pressure rating	PN16

Ord	ei	ing	guide:
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Product Model number TENA PT 1000 1174050 TENA PT 1000-50 1174051

TENA PT 1000-210 1174052

Description

fast immersion sensor 1000  $\Omega$  / 0 °C fast immersion sensor; 1000  $\Omega$  / 0 °C, 50 mm length fast immersion sensor; 1000  $\Omega$  / 0 °C, 210 mm length

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).