FAST RESPONSE IMMERSION SENSOR TENA NI1000-LG

TENA NI 1000-LG sensor is designed for hot domestic water temperature control applications.

Temperature is detected by a Ni sensor element with a nominal resistance of 1 kΩ at 0 °C.

Housing is made of heat resistant plastics. Sensor stem is made of stainless steel. The cover and the terminal blocks are tilted 45° to provide easy installation.

Sensor resistance at different temperatures

°C	Ω	°C	Ω
120	**1615**	25	**1114**
100	**1500**	20	**1091**
90	**1444**	15	**1068**
80	**1390**	10	**1045**
75	**1364**	5	**1022**
70	**1337**	0	**1000**
65	**1311**	-5	**978**
60	**1285**	-10	**956**
55	**1260**	-15	**935**
50	**1235**	-20	**914**
45	**1210**	-25	**893**
40	**1186**	-30	**872**
35	**1162**	-40	**831**
30	**1138**	-50	**791**

Technical data:

sensor	Ni1000-LG
mounting	R 1/2” threads
stem	4 mm x 80 mm HST steel
housing	plastic (< 120 °C)
protection class	IP54, cable entry or stem down
cable entry	M16
range	-50…120 °C
accuracy	± 0.5 °C (at 0 °C)
time constant	ca 2.5 s
pressure rating	PN16

Ordering guide:

Model	Product number	Description
TENA NI1000-LG	1178050	fast immersion sensor 1 kΩ / 0 °C
TENA NI 1000-50	1178051	fast immersion sensor, 1 kΩ at 0 °C, stem length 50 mm
TENA NI 1000-210	1178052	fast immersion sensor, 1 kΩ at 0 °C, stem length 210 mm

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).

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