akribis

DATA SHEET

TENA

Produal

Distributed by AKRIBIS



PRODUAL
measure-be sure.

FAST RESPONSE IMMERSION SENSOR TENA NI 1000

TENA NI 1000 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	**1760**	25	**1141**
100	**1618**	20	**1112**
90	**1549**	15	**1084**
80	**1483**	10	**1056**
75	**1450**	5	**1028**
70	**1417**	0	**1000**
65	**1385**	-5	**973**
60	**1353**	-10	**946**
55	**1322**	-15	**919**
50	**1291**	-20	**893**
45	**1260**	-25	**867**
40	**1230**	-30	**842**
35	**1200**	-40	**791**
30	**1171**	-50	**743**



Technical data:

Sensor	Ni 1000, 1 kΩ at 0 °C
Mounting	R 1/2” thread
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	±0.4 °C (at 0 °C)
Time constant	approx. 2.5 s
Pressure rating	PN16

Ordering guide:

Model	Product number	Description
TENA NI 1000	117C050	fast immersion sensor 1 kΩ at 0 °C
TENA NI 1000-50	117C051	fast immersion sensor, 1 kΩ at 0 °C, stem length 50 mm
TENA NI 1000-210	117C052	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).

AKRIBIS · www.akribis.info · contacto@akribis.info Information is subject to change without prior notice.