

FROST GUARD SENSOR TEKV NI1000-LG

TEKV NI1000-LG temperature sensor is made for automatic HVAC systems to detect heating coil temperatures (= return water).

Temperature is detected by a Ni1000-LG element with a nominal resistance of 1000 $\Omega/0^\circ\text{C}$.

Housing is made of heat-resistant plastic. The screw cover and the terminal blocks tilted to 45° make an easy installation.

Sensor is installed to the pipe by means of an adjustable joint with $R1/4"$ thread. Mounting depth is adjustable up to ...200 mm.



Technical data:

Sensor	NI 1000-LG
Mounting	R 1/4" threads
Stem	4 mm x 245 mm
Cable entry	M16
Range	-50...120 $^\circ\text{C}$
Accuracy	$\pm 0.5^\circ\text{C}$ (at 0°C)
Time constant	ca 2.5 s
Pressure rating	PN 16

Temperature/Resistance:

$^\circ\text{C}$	NI 1000-LG	$^\circ\text{C}$	NI 1000-LG
120	1616,4	25	1114,0
100	1500,0	20	1090,7
90	1444,4	15	1067,6
80	1390,1	10	1044,8
75	1363,5	5	1022,3
70	1337,1	0	1000,0
65	1311,1	-5	978,0
60	1285,4	-10	956,2
55	1260,1	-15	934,7
50	1235,0	-20	913,5
45	1210,2	-25	892,5
40	1185,7	-30	871,7
35	1161,5	-40	830,8
30	1137,6	-50	790,9

Ordering guide:

Model	Product number	Description
TEKV Ni1000-LG	1178120	frost guard sensor 1000 ohm 0°C

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).

Produal Oy

Keltakalliontie 18
48770 Kotka
FINLAND
www.produal.fi

Puh: +358-5-230 9200
Fax: +358-5-230 9210
info@produal.fi