

## FAST RESPONSE IMMERSION SENSOR TENA NTC 10-KB

TENA NTC10-KB sensor is designed for hot domestic water temperature control applications.

Temperature is detected by a NTC sensor element with a nominal resistance of 5025  $\Omega$  at 25 °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	$\Omega$	°C	$\Omega$
120	467	25	5025
100	723	20	5573
90	923	15	6126
80	1194	10	6667
75	1364	5	7183
70	1562	0	7661
65	1791	-5	8093
60	2056	-10	8472
55	2358	-15	8796
50	2702	-20	9067
45	3088	-25	9288
40	3517	-30	9466
35	3987	-40	9712
30	4492	-50	9854



### Technical data:

sensor	NTC 10-KB element
mounting	R 1/2" thread
stem	Ø 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 25 °C)
time constant	approx. 2.5 s
pressure rating	PN16

### Ordering guide:

Model	Product number	Description
TENA NTC 10-KB	117B050	fast immersion sensor 5025 $\Omega$ / 25 °C
TENA NTC 10-KB-50	117B051	fast immersion sensor 5025 $\Omega$ / 25 °C, stem length 50 mm
TENA NTC 10-KB-210	117B052	fast immersion sensor 5025 $\Omega$ / 25 °C, stem length 50 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).