

FEATURES

- Pipe nipple with temperature sensor.
- Temperature probe with 0.5°C accuracy (@25°C).
- Conformity with the CE directives.

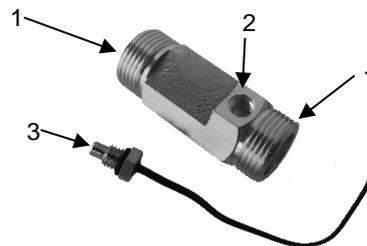


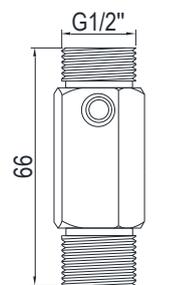
Figure 1. Pipe nipple with temperature probe

1. G3/4" thread	2. Threaded hole for temperature probe	3. Temperature probe
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GENERAL SPECIFICATIONS	
CONCEPT	DESCRIPTION
Operation temperature	-20°C to +80°C
Storage temperature	-25°C to +80°C
Operation humidity	35% to 95% RH
Storage humidity	25% to 95% RH
Fluid pressure	Up to 17.5bar (1.75MPa)
Installation	In pipe in horizontal or vertical position
Weight	108g
Housing material	Brass

TEMPERATURE SENSOR SPECIFICATIONS AND CONNECTIONS	
CONCEPT	DESCRIPTION
Operation temperature	from -50°C to +80°C
Storage temperature	from -50°C to +80°C
Operation humidity	35 to 95% RH
Storage humidity	25 to 95% RH
Weight	8g
NTC Probe Diameter	M8x1.25
Housing	Epoxy resin and steel
Thermistor value (@25°C)	10kΩ
Accuracy (@25°C)	0.5°C
Cable cross-section	0.14mm ² (IEC) / 26AWG (UL)
Cable length	0.5m (up to 30m)

DIMENSIONS (mm)



The temperature probe can be wired to any Zennio device input that allows being configured as a Zennio Water Probe or as a custom NTC (water) probe.

TEMPERATURE PROBE PARAMETERS			
TEMPERATURE (°C)	RESISTANCE (Ω)	TEMPERATURE (°C)	RESISTANCE (Ω)
-50.0	366410	20.0	12098
-45.0	270709	25.0	10000
-40.0	202269	30.0	8309
-35.0	152746	35.0	6940
-30.0	116508	40.0	5825
-25.0	89710	45.0	4911
-20.0	69693	50.0	4160
-15.0	54599	55.0	3539
-10.0	43117	60.0	3023
-5.0	34307	65.0	2541
0.0	27493	70.0	2209
5.0	22183	75.0	1901
10.0	18015	80.0	1652
15.0	14720		

SAFETY INSTRUCTIONS

- Installation should only be performed by qualified professionals according to the laws and regulations applicable in each country.
- It must not be hit.
- The WEEE logo means that this device contains electronic parts and it must be properly disposed of by following the instructions at <http://zennio.com/wEEE-regulation>.