

PS3 with integrated temperature sensor – technical datasheet (NW16)



Parameter	Value
Sensor dimensions	21 × 21 × 37 mm
Sensor housing material	PA66
Sensor probe material	anodized aluminium
Compatible media	water, ethylene glycol mixtures
Assembly method	ultrasonic welding
Weight of the sensor	4 g
Temperature range	-40 °C to +125 °C
Accuracy	< 2 °C
Response time	< 5 s (in water)
Supply voltage	5 V
Thermistor nominal resistance	10 kΩ ± 1% (at 25°C)
Thermistor B-value	3435K ± 1% (25/85°C)
Maximum rated power	100 mW (at 25°C)
Bias resistor	10 kΩ
Electrical connector type	TE MCON 1.2 mm contact system