

therm link
TECHNICAL SPECIFICATION

Sensor	High-Resolution Thermometer
Accuracy	$\pm 0.5\text{ }^{\circ}\text{C}$ between $-40\text{ }^{\circ}\text{C}$ and $+105\text{ }^{\circ}\text{C}$ (from 2.7 V to 3.6 V) $\pm 0.4\text{ }^{\circ}\text{C}$ between $-40\text{ }^{\circ}\text{C}$ to $+105\text{ }^{\circ}\text{C}$ (starting from 3 V)
Resolution	$0.0078\text{ }^{\circ}\text{C}$
Temperature range	$-55 \div +150\text{ }^{\circ}\text{C}$
Voltage range	$2.7 \div 5.5\text{ V}$
Temperature conversion time	240 ms
Temperature conversion time – Fast mode	6 ms
Hysteresis	$\pm 0.002\text{ }^{\circ}\text{C}$
Repeatability	$\pm 0.015\text{ }^{\circ}\text{C}$
Distance between sensors	30 cm (minimum distance) $\geq 50\text{ cm}$ (suggested distance)
Node diameter and length	125 mm – 37 mm
Borehole suggested diameter	$\geq 50\text{ mm}$
Node weight	0.2 kg
Tensile strength of Kevlar cable	15 kN
Electrical cable	CEI 20-35

DISCLAIMER: ASE S.r.l. reserves the right to change any product or technology in order to improve its reliability, functionality or design without prior notice.

MUMS instrument is covered by a patent


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