



Sensor	Thermometer
Accuracy	$\pm 0.5\text{ }^{\circ}\text{C}$ , - 40 to + 105 $^{\circ}\text{C}$ (2.7 V to 3.6 V) $\pm 0.4\text{ }^{\circ}\text{C}$ , -40 to + 105 $^{\circ}\text{C}$ (3 V)
Resolution	0.0078 $^{\circ}\text{C}$
Temperature range	- 55 $\div$ + 150 $^{\circ}\text{C}$
Voltage range	2.7 $\div$ 5.5 V
Temperature conversion time	240 ms
Fast temperature conversion time	6 ms
Hysteresis	$\pm 0.002\text{ }^{\circ}\text{C}$
Repeatability	$\pm 0.015\text{ }^{\circ}\text{C}$
Centre-to-centre between sensors	50 - 100 cm (standard) *
Length and Diameter	125 mm – 37 mm
Borehole suggested diameter	$\geq 130 \div 150\text{ mm}$
Node weight	0.2 kg
Kevlar cable traction strength	15 kN
Electrical cable	CEI 20-35

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MUMS is a patent system

