



MADS18B20 Temperature Sensor

The 1-Wire Temperature Sensor is suitable for wide temperature range applications where submersion and harsh environments need to be monitored. The sensor is chemical resistant with a waterproof steel probe and cable. Applications include temperature sensing in equipment or machinery, inside of buildings and enclosures, HVAC and environmental situations.



Specifications

Temperature Range	-55 to 125 °C
Resolution	Up to 12bit (0.0625 °C)
Accuracy (-10 to 85 °C)	±0.5 °C
Accuracy (-55 to 125 °C)	±2.0 °C
Supply Voltage	3 to 5.5 V
Active Current	1 to 1.5mA
Standby Current	100 to 150 nA
Probe Dimensions	L: 30 mm D: 5.6mm
Cable Length	15m
Cable End	3 Wire
Product Number	735850734972

Wiring Instructions

Captis Multi		MADS18B20	
Ground	Black	Ground	White
OW Channel 1	Purple	1 Wire Data	Red
+5V Sensor Power	Red	Power	Green