



TP1 1-Wire[®] Temperature sensor probe

Hardware Specification:

Model Number	:	TP1 1-Wire [®] Temperature sensor probe
Probe Length	:	150mm
Probe Diameter	:	6.3mm
Measure Temperature Range	:	-55°C ~ +125°C (-67°F ~ +257°F)
Accuracy	:	±0.5°C @ -10°C ~ +85°C
Maximum Resolution	:	0.0625°C
Cable Length (Standard)	:	3 meters (Up to 100 meters)
Probe Material	:	Stainless steel (#304 + #430)
Supply Power	:	1-Wire [®] parasite power (+3.0V ~ +5.5V)
Standby Current	:	750nA
Active Current	:	1mA @ 5V
Operating Temperature	:	-55°C ~ +125°C (-67°F ~ +257°F)



Product Features:

- Maxim[®] DS18B20 1-Wire[®] digital thermometer integrated
- Wide temperature range probe
- ±0.5°C high accuracy from -10°C to +85°C
- Chemical resistant steel probe and cable
- No extra calibration process needed
- No external power required

Applications:

- Thermostatic controls
- Industrial systems
- Any thermally sensitive system