

Specifications: 1WT_6SSP_1_30cm_2w

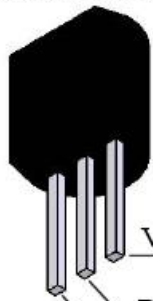
General Description:

- Stainless Steel probe 1-wire temperature sensor.
- Uses DS18B20 chip with 12 bit resolution connected in Parasitic Power configuration.
- Length of probe is 30mm.
- Diameter of probe is 6mm.
- Wires are 30cm long: Two 22AWG conductors: Blue=Data : Gray=Vdd/Gnd

Chip, wires, & solder connections are inserted and sealed into stainless steel tube with hardened epoxy.

Wires are approx 30cm long.
Stripped & Tinned 10mm.

DS18B20 Chip Wiring Diagram



VDD: Power Supply

Data In/Out — Blue Wire

Ground

Gray Wire



DS18B20 Sensor Element wired in parasitic power mode as shown in the diagram on the left.

Sensor & Probe Specifications:

Operating Temperature of wires & epoxy	-40C to 105C
Sensor Accuracy (-10 to 85 DegC)	+/- 0.5 DegC
Sensor Accuracy (-55 to 125 DegC)	+/- 2.0 DegC
Sensor Resolution (DS18B20)	12 Bit
Supply Voltage	3.0 to 5.5V
Active Current	1 to 1.5 mA