

Document Number		RG_SPEC-0016	
Title		Liquid Temperature Sensor	
Revision	Date	Prepared By	Change History
1.1	2/15/2012	Chris Brown	Initial release, updated Connection info.

Part # M 25-2197 D

A small lightweight liquid temperature sensor, featuring an all stainless steel body compatible with any fluid. Thread size is 1/8-27 NPT

Specifications:

- Thread: 1/8-27 NPT
- Output: variable resistance
- Supply: pull up to 5 Vdc
- Temperature Range: -40°C to 200°C
- Weight: 23 grams



Calibration:

Temp °C	Temp °F	Resistance Ohm	1k Pull Up Volts
-40	-40	54200.0	4.909
-30	-22	30950.0	4.844
-20	-4	18322.5	4.741
-10	14	11205.0	4.590
0	32	7062.5	4.380
10	50	4575.0	4.103
20	68	3040.0	3.762
30	86	2067.5	3.370
40	104	1436.8	2.948
50	122	1018.3	2.523
60	140	735.3	2.119
70	158	540.0	1.753
80	176	403.0	1.436
90	194	307.3	1.175
100	212	234.3	0.949
110	230	182.1	0.770
120	248	143.3	0.627
130	266	114.0	0.512
140	284	91.7	0.420
150	302	74.5	0.347
160	320	61.0	0.287
170	338	50.8	0.242
180	356	42.8	0.205
190	374	36.5	0.176
200	392	31.4	0.152

Connection:

Mating Connector: DTM06-02P

Part # M DTM 2P

Pin 1 - 0v

Pin 2 - Signal

