

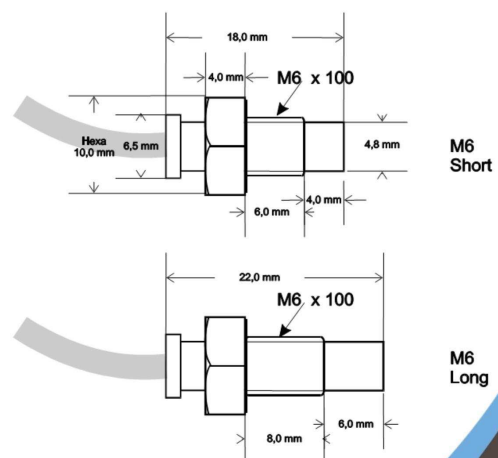


# TS M6

## Liquid Temperature Sensor M6

<b>Range</b>	-50 to +150°C
<b>Accuracy</b>	2 % FS
<b>Sensitivity</b>	-13.6 mV/°C
<b>Response time (0-90%) into water @ 95°C</b>	1000 ms
<b>Supply voltage</b>	5 to 16V
<b>Supply current</b>	< 1 mA
<b>Output voltage</b>	0 – 5 V
<b>Output Impedance</b>	< 100 Ω
<b>Sensitive element std</b>	Silicon sensor
<b>Option</b>	PT100 / PT1000 / NTC
<b>Dimension</b>	
- short	6 threaded + 4 mm
- long	8 threaded + 6 mm
<b>Material</b>	Stainless steel
<b>Weight (without cable)</b>	15 g
<b>Vibration test</b>	20 Gpp 5'
<b>Shock</b>	500 G
<b>Operating temp</b>	0 to +150 °C
<b>Storage temp</b>	-50 to +150 °C

Calibration tables (silicon sensor)	
°C	M6 -13.6mV/°C
-50	3.277
-40	3.160
-20	2.899
0	2.633
20	2.365
40	2.095
60	1.819
80	1.539
100	1.257
120	0.973
140	0.684
150	0.538



1 m cable of 3X26AWG FEP  
tinned copper braided cable 250V 200°C

Ordering ref	ex : TS-M6 - 14
TS - M6 - Length	
	10 (short)
	14 (long)

<b>Red</b>	Supply
<b>White</b>	Signal
<b>Blue (or Black)</b>	0 V
<b>Braid</b>	Connected to case

In the interest of continuous product improvement, we reserve the right to alter without prior notice the specific catious and features described in this document