

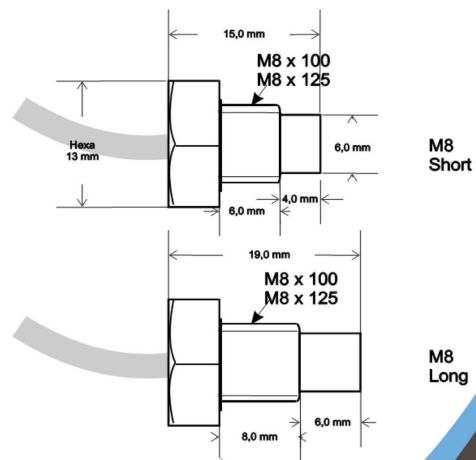


# TS M8

## Liquid Temperature Sensor M8

<b>Range</b>	-50 to +150°C
<b>Accuracy</b>	2 % FS
<b>Sensitivity</b>	+22.5 mV/°C
<b>Response time (0-90%) into water @ 95°C</b>	1000 ms
<b>Supply voltage</b>	5 V
<b>Supply current</b>	< 1 mA
<b>Output voltage</b>	0 – 5 V
<b>Output Impedance</b>	< 100 Ω
<b>Sensitive element std Option</b>	Silicon sensor 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

°C	M8 +22,5mV/°C
-50	0,250
-40	0,475
-20	0,925
0	1,375
20	1,825
40	2,275
60	2,725
80	3,175
100	3,625
120	4,075
140	4,525
150	4,750



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

<b>Ordering ref</b>	ex: TS-M8 - 14
TS - Thread - Length	
M8x1.0	10 (short)
M8 x1.25	14 (long)

**Red** Supply  
**White** Signal  
**Blue (or Black)** 0 V  
**Braid** Connected to case