



Sensor Readings	
_____ V at _____ °C	
_____ V at _____ °C	

Cable: 3x26AWG FEP tinned copper braided cable 250V 200°C

Length : _____ mm Tubing: _____

Connector : _____

TS
LIQUID TEMPERATURE SENSOR
Ref :
SN:

Texys sensors are designed for data recording. If the user wants to include this sensor in a close loop system or active control, he must assume all responsibility.

Colour	Function	Pin
Red	Supply	
Black	0V	
White	Analog Signal	
Braid	Not connected	

Range	-50 to +150	°C
Accuracy	2	% FS
Sensitivity	M6	-13.6
	M8	+22.5
Response time (0-90%) Into water @ 95°C	1000	ms
Supply Voltage	M6	5 to 16V
	M8	5
Supply Current	< 1	mA
Output Voltage	0 to 5	V
Output Impedance	< 100	Ω
Sensitive Element Standard	Silicon sensor	
option	PT100 / PT1000 / NTC ...	
Dimension	Short	6 threaded + 4
	Long	8 threaded + 6
Material	Stainless steel	
Weight (without cable)		g
Protection	IP66	
Vibration test	20 Gpp 5'	
Shock	500	G
Operating Temp	-50 to +150	°C
Storage Temp	-50 to +150	°C

Calibration tables (silicon sensor)		
°C	M6 -13.6mV/°C	M8 +22,5mV/°C
-50	3.277	0.250
-40	3.160	0,475
-20	2.899	0,925
0	2.633	1,375
20	2.365	1,825
40	2.095	2,275
60	1.819	2,725
80	1.539	3,175
100	1.257	3,625
120	0.973	4,075
140	0.684	4,525
150	0.538	4.750

Ordering ref ex : TS-M6 - 14
 TS - Thread - Length
 M6 10 (short)
 M8x1.0 14 (long)
 M8 x1.25

