



<b>TS-1/8 NPT</b>	
<b>LIQUID TEMPERATURE SENSOR</b>	
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.

<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 to 16V	V
<b>Supply Current</b>		
	< 1	mA
<b>Output Voltage</b>		
	0 to 5	V
<b>Output Impedance</b>		
	< 100	Ω
<b>Sensitive Element Standard</b>		
	Silicon sensor	
<b>Dimension</b>		
	D 8 x L20 + Hex13	mm
<b>Material</b>		
	Stainless steel	
<b>Weight (without cable)</b>		
	20	g
<b>Protection</b>		
	IP66	
<b>Vibration test</b>		
	20 Gpp 5'	
<b>Shock</b>		
	500	G
<b>Operating Temp</b>		
	-50 to +150	°C
<b>Storage Temp</b>		
	-50 to +150	°C

Sensor Readings		
	V @ .....°C	V @ .....°C

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

Length : \_\_\_ mm Tubing: \_\_\_\_\_

Connector : \_\_\_\_\_

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

Calibration table (silicon sensor)	
°C	1/8 +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

