



THK	
THERMOCOUPLE CONNECTOR CONDITIONNER	
Ref :	
SN :	

Texsys 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.

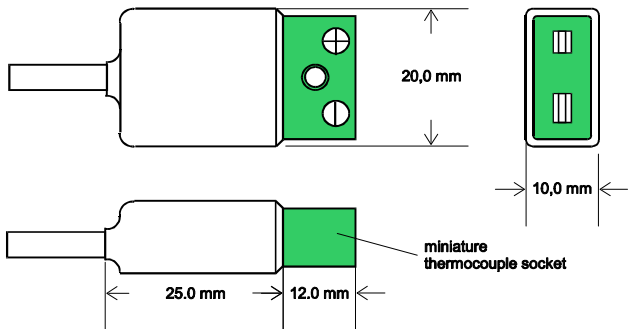
Ranges	200	-50 to +200	°C
	400	-100 to +400	
	1250	0 to +1250	
Type		K	
Cold junction error		2	°C
Accuracy		2	%FS
Response time		200	ms
Linear Sensitivity	200	20	mV/°C
	400	10	
	1250	4	
Supply Voltage		5 to 16	V
Supply Current		1,5	mA
Output Voltage		0-5	V
Output Impedance		47	Ω
Calibrator		Fluke 714	
Dimension		37x19x10	mm
Material		Plastic	
Weight		15	g
Protection		IP53	
Vibration test		20Gpp5'	
Shock		500	G
Operating Temp		0 to +60	°C
Storage Temp		-40 to + 125	°C

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

Cable : 3x26AWG FEP tinned copper braided cable 250V200°C
 Length : _____ mm Tubing: _____
 Connector : _____

Colour	Function	Pin
Red	Supply	
White	Signal	
Black	0V GND	

Target °C	Calibration tables		
	-50 to +200 20mV/°C	-100 to +400 10mV/°C	0 to +1250°C 4mV/°C
-100		0.00	
-50	0.00	0.50	
-40	0.20	0.60	
-20	0.60	0.80	
0	1.00	1.00	0.00
20	1.40	1.20	0.08
40	1.80	1.40	0.16
60	2.20	1.60	0.24
80	2.60	1.80	0.32
100	3.00	2.00	0.40
150	4.00	2.50	0.60
200	5.00	3.00	0.80
300		4.00	1.20
400		5.00	1.60
600			2.40
800			3.20
1000			4.00
1200			4.80
1250			5.00



The Thermocouple probe wires must be isolated from supply ground