



THA

Thermocouple connector conditioner

Patent US_6,942,382
FR_0209687

Range

From -50 to + 200 °C
To 0 to +1250 °C

Type

K, J, T...

Cold junction error

± 1°C

Accuracy range < 1000°C

± 0.5 % FS

Accuracy range > 1000°C

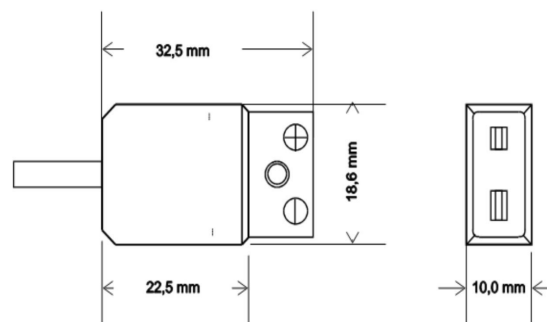
± 1 % FS

Drift vs ambient temperature

0.5 % FS

Sensitivity

Linear, See calibration table



Supply voltage

5 to 16V

Supply current

2mA

Output signal

0 – 5 V

Output impedance

47 Ω

Housing

Aluminium

Dimension

32.5x19x10 mm

Weight (without cable)

15 g

Operating temp

0 to + 100°C

Storage temp

-40 to + 125°C

Target °C	Calibration tables			
	-50 to +200 20mV/°C	-100 to +400 10mV/°C	0 to +1000°C 5mV/°C	0 to +1250°C 4mV/°C
-100		0.00		
-50	0.00	0.50		
0	1.00	1.00	0.00	0.00
50	2.00	1.50	0.25	0.20
100	3.00	2.00	0.50	0.40
150	4.00	2.50	0.75	0.60
200	5.00	3.00	1.00	0.80
300		4.00	1.50	1.20
400		5.00	2.00	1.60
600			3.00	2.40
800			4.00	3.20
1000			5.00	4.00
1250				5.00

Ordering ref ex : THA-K-200
THA - Type - Range

K	200
J	400
T	1000
---	1250
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The Thermocouple probe wires must be isolated from supply ground

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

Red
White
Blue (or Black)
Braid

Supply
Signal
0 V GND
Connected to case