



THNF-A

Digital & Analog

Thermocouple connector conditioner

Range From -100 to +1800 °C
Type B, E, J, K, N, R, S, T
Sampling frequency 1 KHz
Cold error junction ± 0.25 °C

Analog output
 • accuracy ± 0.25 %FS
 • drift VS ambient temp ± 0.25 %FS
 • range 0-5V
 • impedance 100 Ω

Digital output
 • accuracy ± 0.25 °C
 • resolution 0.1°C
 • frequency 50Hz
 • serial link ASCII, 115200 Bauds

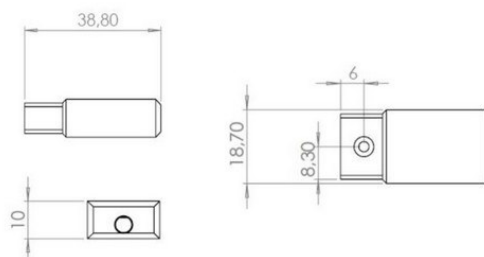
Supply voltage 6 to 25V
Supply current <10 mA

Dimension 38.8x18.7x10 mm

Material Aluminum

Weight 35 g

Protection IP53
Operating temp -40 to + 125°C
Storage temp -40 to + 125°C



Calibration table (Example)			
Target °C	-50 to +200 20mV/°C	-100 to +400 10mV/°C	0 to 1250 4mV/°C
-100		0.00	
-50	0.00	0.50	
0	1.00	1.00	0.00
50	2.00	1.50	0.20
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
1250			5.00

Ordering ref:

THNF-A-	Type	Range
K	-20+200	
J	-40+400	
T	0+1800	
...	...	

Ex: THNF-A-K-50+250 → type K, -50 to +250°C

Red Supply
Black GND
White Analog output
Green* Digital output

* Only with Texense USB-Connect

1 m cable of 4X26AWG FEP tinned copper braided cable 250V 200°C

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