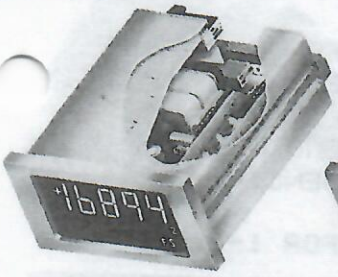
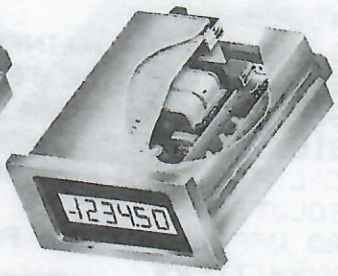
SINCE 1974

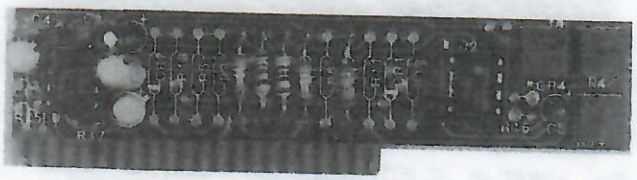
THERMOCOUPLE INPUT DPM MICROCOMPUTER COMPATIBLE MODEL 211





FEATURES

>SEE PAGE 7 FOR MAINFRAME FEATURES
>TYPE J OR K, °F OR °C CALIBRATION
>OPEN T/C DETECTION-ALARM
>BUILT-IN JUNCTION & LEAD RESISTANCE COMPENSATION



NOTE: REFER TO PAGE 7 FOR DESCRIPTION OF MAINFRAME AND OPTIONAL PLUG IN FEATURES.

DESCRIPTION

The Model 211 plug-in board converts and linearizes the microvolt signal from a T/C to a level of +/- 2 VDC for the A/D converting the standard 200 mainframe from a VDC to a T/C input DPM. Since the 211 has capacity for 2,000 or 20,000 counts and the T/C has limited temperature range of 0 to 1260°C (K) and -240 to +760 (J) selection of range should consider these limitations of full scale and resolution.

SPECIFICATIONS AT 25°C

NOTE: THESE SPECIFICATIONS GOVERN OTHER APPLICABLE SPECIFICATIONS OF MAINFRAMES FOUND ON PAGE 7.

Lead Resistance----------500 Ohms Max.
Burn Out Sense Current----------0.2µA
Isolation to Digital Ground----------None
Accuracy----------Type J +/- 1°C; Type K +/- 1.2°C, Higher accuracy on Narrow Range on Request
Operating/Storage Temperature----------0-60°C/-20 to +80°C
Junction Compensation Active Range------0 to 50°C

ORDER INFORMATION

MODEL 211 X X X X X X

DISPLAY TYPE
-0--3 1/2 LED w/Dummy Zero----
-1--4 1/2 LED----------
-2--4 1/2 LED w/Dummy Zero----
-3--3 1/2 LCD w/Dummy Zero----
-4--4 1/2 LCD w/Dummy Zero----
-5--3 1/2 LED----------
-6--3 1/2 LCD----------

INPUT RANGE (Note 3)
-0--200.0°C/"K"----------
-1--200.0°F/"K"----------
-2--2000.o°C/"K"----------
-3--2000.0°F/"K"----------
-4--200.0@C"J"----------
-5--200.0°F/"J"----------
-6--2000.0°C/"J"----------
-7--2000.0°F/"J"----------

CASE
----0--Plastic---
----1--Metal-----

POWER INPUT
----0--5VDC-------
----1--115 VAC----
----2--230 VAC----
----3--10 VAC-----
----4--9-15 VDC---
----5--7-32 VDC---

DIGITAL CONTROL OUTPUTS
----0--None----------
----1--BCD Parallel----------
----2--BCD Parallel Opto-Isolated--
----3--Peak & Hold----------
----4--Digital Limit (Note 1)------
8--BCD Encoded----------
9--BCD Encoded Opto-Isol.----

EXCITATION & ANALOG OUT
--0--None----------
--1--10 VDC & 0-5 VDC----------
--2--10 VDC & 0-2mA DC----------
--3--24 VDC & 0-5 VDC----------
--4--None & 4-20mA DC----------
--5--None & 20-4mA DC----------
6--24 VDC & 0-2mA DC-------
7--1.8mA DC & 0-5 VDC-------
8--1.8mA DC & 4-20mA DC-----
9--1.8mA DC & 20-4mA DC-----

NOTES:
1. Thumbwheel Switches are available for the Digital Limit Options, Order P/N 89-0213 (+/- 3 1/2) or 89-0215 (+/- 4 1/2).
2. Resolution Depends on Display Selected.
3. For best accuracy specify temperature range of main interest in 500° increments.

SPECIFICATIONS AND PRICE SUBJECT TO CHANGE WITHOUT NOTICE