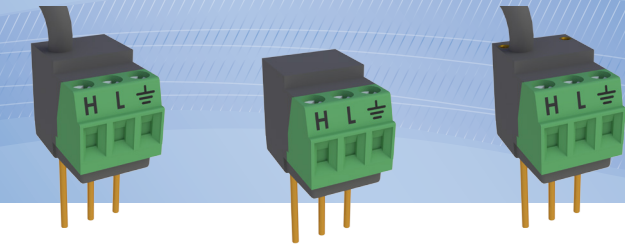


Rugged, Reliable, and Ready for any Application



Terminal input modules (TIMs) are small peripherals that provide completion resistors for resistive bridge measurements, or act as voltage dividers or precision current shunts. The modules attach directly to the datalogger's input terminals. Each module provides circuitry

to connect one sensor, except for the voltage dividers which allow connection of two single-ended sensors.

The legs of our TIMs do not fit on the CR7 datalogger's connectors.

MAJOR SPECIFICATIONS

		<i>Used With</i>	<i>Resistor</i>	<i>Tolerance @ 25°C</i>	<i>Power Rating</i>	<i>Maximum Temperature Coefficient</i>
CURS100 Current Shunt Module		Sensors that output a current signal (4 to 20 mA)	Shunt (bulk metal foil): 100 Ω	±0.01%	0.25 W	±0.8 ppm/°C
VDIV10:1 10-to-1 Voltage Divider		Sensors with a high voltage output (up to 50 V)	10 kΩ and 90 kΩ	Ratio: ±0.02%	per Element: 0.1 W @ 70°C	Ratio (0° to 70°C): 2 ppm/°C
VDIV2:1 2-to-1 Voltage Divider		Sensors with a high voltage output	10 kΩ and 10 kΩ	Ratio: ±0.02%	per Element: 0.1 W @ 70°C	Ratio (0° to 70°C): 2 ppm/°C
4WFBS120 120 Ω, 4-Wire Full Bridge Module		4-wire strain gages or other full bridge measurements that have a 120 Ω nominal resistance.	<u>2:1 Resistive Divider</u> 1 kΩ/1 kΩ <u>Completion</u> 120 Ω	<u>2:1 Resistive Divider</u> Ratio: ±0.01% <u>Completion</u> ±0.01%	<u>2:1 Resistive Divider</u> per Element: 0.1 W @ 70°C <u>Completion</u> 0.25 W @ 70°C	<u>2:1 Resistive Divider</u> Ratio (-55° to 85°C): 0.5 ppm/°C <u>Completion</u> 0.8 ppm/°C
4WFBS350 350 Ω, 4-Wire Full Bridge Module		4-wire strain gages or other full bridge measurements that have a 350 Ω nominal resistance.	<u>2:1 Resistive Divider</u> 1 kΩ/1 kΩ <u>Completion</u> 350 Ω	<u>2:1 Resistive Divider</u> Ratio: ±0.01% <u>Completion</u> ±0.01%	<u>2:1 Resistive Divider</u> per Element: 0.1 W @ 70°C <u>Completion</u> 0.25 W @ 70°C	<u>2:1 Resistive Divider</u> Ratio (-55° to 85°C): 0.5 ppm/°C <u>Completion</u> 0.8 ppm/°C
4WFBS1K 1 kΩ, 4-Wire Full Bridge Module		4-wire strain gages or other full bridge measurements that have a 1 kΩ nominal resistance.	<u>2:1 Resistive Divider</u> 1 kΩ/1 kΩ <u>Completion</u> 1 kΩ	<u>2:1 Resistive Divider</u> Ratio: ±0.01% <u>Completion</u> ±0.01%	<u>2:1 Resistive Divider</u> per Element: 0.1 W @ 70°C <u>Completion</u> 0.25 W @ 70°C	<u>2:1 Resistive Divider</u> Ratio (-55° to 85°C): 0.5 ppm/°C <u>Completion</u> 0.8 ppm/°C



MAJOR SPECIFICATIONS

4WPB100 | 100 Ω ,
4-Wire PRT Bridge
Module



Used With
100 Ω platinum resistive
thermometer (PRT).

Resistor
Current Limiting
10 k Ω /
Completion
100 Ω

Tolerance @ 25°C
Current Limiting
 $\pm 5\%$
Completion
 $\pm 0.01\%$

Power Rating
Current Limiting
0.25 W
Completion
0.25 W @ 70°C

*Maximum Temperature
Coefficient*
Completion
0.8 ppm/°C

4WPB1K | 1 k Ω ,
4-Wire PRT Bridge
Module



Used With
1 k Ω platinum resistive
thermometer (PRT)

Resistor
Current Limiting
10 k Ω /
Completion
1 k Ω

Tolerance @ 25°C
Current Limiting
 $\pm 5\%$
Completion
 $\pm 0.01\%$

Power Rating
Current Limiting
0.25 W
Completion
0.25 W @ 70°C

*Maximum Temperature
Coefficient*
Completion
0.8 ppm/°C

3WHB10K | 10 k Ω ,
3-Wire Half Bridge
Module



Used With
100 Ω or 1 k Ω platinum
resistive thermometer
(PRT) or other 3-wire
half bridge

10 k Ω

$\pm 0.01\%$

0.25 W @ 70°C

± 0.8 ppm/°C

4WHB10K | 10 k Ω ,
4-Wire Half Bridge
Module



Used With
4-wire half bridge
measurements with a
10 k Ω resistance

10 k Ω

$\pm 0.01\%$

0.25 W @ 70°C

± 0.8 ppm/°C