

Triplett Universal Bargraph Series

Input Modules

▲ DC INPUT OPTIONS

DC Voltage Ranges	99.99mV, 999.9mV, 9.999V, 99.99V, 300V max
DC Current Ranges	99.99 μ A, 999.9 μ A, 9.999mA, 99.99mA, 5.000A
Compliance Voltage (Current Ranges)	1V Standard, 100mV Optional
Attenuator (Variable)	10:1 (25 turn pot)
Input Impedance (Current Ranges)	>900 K ohm shunted by <20 pF
Voltage Accuracy	$\pm 0.02\%$ Full Scale ± 1 count
Current Accuracy	$\pm 0.05\%$ Full Scale ± 1 count
Tempco	200 ppm/ $^{\circ}$ C
CMV to analog gnd	± 1 V peak DC to 60 Hz
CMV to AC power gnd	± 500 V peak DC to 60 Hz
CMRR	80 dB typical with 1 K unbalance
NMR	60 dB typical at 60 Hz
Overload Protection	200% F. S.
Analog Offset (Variable)	± 1 V max. (25 turn pot)
Analog Offset Tempco	70 ppm/ $^{\circ}$ C
Optional DC Voltage Range	99.99mV min. to 300 Vdc max
Optional DC Current Ranges	99.99 μ A min. to 5.000 A max
Standard Suppressed Ranges	4-20mA, 1-5Vdc

▲ AC INPUT OPTIONS

Detector	Full wave average responding rms scaled
AC Voltage Ranges	99.99mV, 999.9mV, 9.999V, 99.99V, 300V max
AC Current Ranges	99.99 μ A, 9.999mA, 99.99mA, 999.9mA, 5.000 A
Compliance Voltage (Current Ranges)	100mV Standard, 1 V Optional
Attenuator (Variable)	10:1 (25 turn pot)
Input Impedance (Voltage Ranges)	>900K ohm shunted by <20 pF
Accuracy	$\pm 0.1\%$ Full Scale ± 2 counts
Tempco	300 ppm ± 0.1 count/ $^{\circ}$ C
Analog Offset (Variable)	± 1 V max. (25 turn pot)
Analog Offset Tempco	70 ppm/ $^{\circ}$ C
Frequency Response	40 to 1K Hz
Overload Protection	200% F.S.
Optional AC Voltage Ranges	99.99mV min. to 300Vac max
Optional AC Current Ranges	99.99 μ A min. to 5 Amp AC max

▲ THERMOCOUPLE INPUT OPTIONS

Measurement Range: Depending on thermocouple type

Type	Range	Type	Range
JC	-194.4 to +750	TC	-250 to +388.8
JF	-318 to +1382 (999.9 @ 0.1 res.)	TF	-418 to +732
KC	-250 to +1361 (999.9 @ 0.1 res.)	EC	-250 to +1000 (999.9 @ 0.1 res.)
KF	-418 to +2482 (999.9 @ 0.1 res.)	EF	-418 to +1832 (999.9 @ 0.1 res.)

Open Thermocouple Indication: Selectable – Overrange or Underrange

Linearization Method: Multi-segment linear interpolation based on N.I.S.T. Monograph 125

Accuracy: (Worst case, over operating range, after 20 minute warm-up)

Conversion: $\pm 0.06\%$ rdg ± 3 LSD

Cold Junction Tempco: ± 0.07 Degrees/Degree internal electronic ice point, or can be configured to use external reference junction.

Typical Performance: (at 25 $^{\circ}$ C) $\pm 0.03\%$ rdg. ± 2 LSD

Output Modules

▲ SETPOINT OUTPUT OPTIONS

Four Setpoints	Low-Low, Low, High, and High-High
Contacts	Form C (SPDT) 5A @ 30 VDC or 230 VAC
Hysteresis	Selectable - 1% Fixed/Programmable
Bar Display of Setpoints	Selectable - On/Off
Connector	12 Terminal screw 300V, 15A rating, wire size #14 - 30 AWG