Weschler Quatro BarGraph Meters

- 101 segment bargraph in red, green or tricolor
- 4-digit 10000 count LED display
- Fit 6" edgewise & 9/64 DIN panel cutouts
- Vertical or horizontal orientation

Features

- Single & dual bar configurations
- Adjustable bargraph span
- Bargraph center zero mode
- Four programmable setpoints
- Front panel setpoint status indicators
- Up to 4 relay outputs for control & alarms
- Analog retransmit option with adjustable span
- Wide power supply range (AC & DC)
- Sensor excitation to power 4-20mA transmitters or bridge type sensors

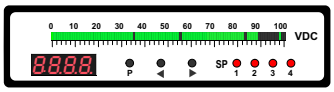
Style LD Style LA

Direct Measurement of

DC Current	Thermocouples
AC Current	RTDs
DC Voltage	Load Cells/Strain Gauges
AC Voltage	Speed Pickups/RPM
Frequency	Pressure
Process Loops	Resistance/Potentiometers

Bar & Digital

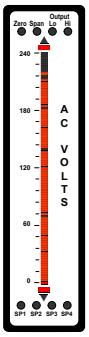
Style LA combines a precision 4 digit LED display with a 101 segment bargraph. The bar can be set to display any part of the digital range, from a minimum of 100 counts to the full 12000 A/D counts. Higher bar resolution is useful for applications where the normal operating range is only a portion of the full scale input. Style A offers 4 levels of display brightness, which can be set from the front panel.



Style LA Horizontal

Single Bar

Style LC offers a 101 segment red, green or tricolor bar, without digital display. The bar can be set to grow from the bottom or the center of the scale. The center mode is normally used for center zero but can also show deviation around a half-scale value.



Style LC

Dual Bar

The dual bar configuration (Style LD) can display two process variables, using the Dual Process input card (PE). Any combination of red and green bars can be specified. Two setpoints are available for each channel. The dual input card may also be used to display one process variable on the left bar and two tracking setpoints on the right bar. In this mode, setpoint 1 is determined by the channel 2 input signal. Setpoint 2 is offset from setpoint 1 by a fixed (user selectable) amount.

The dual bar style can be used with a single channel input module & 4 set points. The left bar displays the process signal; the right bar displays min/max.

ORDERING INFORMATION

Select desired code for each category to build the 15 digit part number.
Example: LAVTRCXPD1A4BXX

A	B	C	D	E	F	G	H	I	J	K	XX

A	Style	
	LA	Digital & bar
	LC	Single bar (no digtial)
	LD	Dual bar (no digital)
B	Orientation	
	V	Vertical
	H	Horizontal
C	Bar Color	
	R	Red
	G	Green
	T	Tricolor (Style LA or LC only)
D	Digital Display Color	
	R	Red
	G	Green
	X	None (Style LC or LD)
E	Bar & Scale Position	
	C	Center bar (Style LA)
	A	Center bar, scale left or above
	E	Cemter bar, scale right or below
	X	Dual bar (Style LD)
F	Second Bar Color (right or bottom bar)	
	R	Red (Style LD)
	G	Green (Style LD)
	X	None
G	Input (Partial list)	
	AA	AC Volts, scaled RMS, 200/300V
	AB	AC Volts, scaled RMS, 200mV/2V/20V
	AC	AC mA, scaled RMS, 2/20/200mA
	AD	AC Amps, scaled RMS, 1A
	AE	AC Amps, scaled RMS, 5A
	DE	DC Volts, 2/20/200V/Custom w/Offset and 24V Excitation
	DF	DC milliamp, 2/20/200mA w/Offset and 24V Excitation
	DG	DC Amps, 1A
	DD	DC Amps, 5A
	E1	Line Frequency, 50-250VAC, 199.9Hz (Style LC or LD)
	F2	Frequency, 50mV-30V w/24V Exc. 99.99/999.9/9999Hz (Style LA)
	F3	Frequency, 60-500VAC 99.99/999.9/9999Hz (Style LA)
	M1	RPM, 99.99/999.9/9999Hz, 50mV-30V, w/24V Exc. (Style LA)
	PD	Universal Process, 2V/5V/10V/ 20V/200V/2mA/20mA
	PE	Dual Process, (Style LD) 2V/10V/20V/200V/2mA/20mA
	RB	3-wire Potentiometer 1kΩ min.
	RD	Resistance, 2kΩ
	SA	Strain Gage, 5/10VDC Excitation, 20/2mV/V, 4/6-wire
	SD	Pressure/Load Cell, 5/10V Excitation, 20/2mV/V, 4-wire
	TA	RTD, 100Ω Pt Selectable 2/3/4 wire (-200 to 800°C)*
	TB	RTD, 100Ω Pt Selectable 2/3/4 wire (-200 to 1470°F)*
	TD	Thermocouple, J Type (0-1400°F)*
	TE	Thermocouple, K Type (0-1999°F)*
	W1	Thermocouple, J,K,R,T; Selectable °C/°F, 1°/0.1° (Style LA)
	W2	RTD, 100Ω Pt Selectable 3/4-wire, °C/°F, 1°/0.1°, 385/392 (Style LA)
H	Power	
	1	85-265VAC/95-370VDC
	2	15-48VAC/10-72VDC
I	Retransmit	
	A	Isolated 16 Bit Output, 4-20mA
	V	Isolated 16 Bit Output, 0-10VDC
	X	None
J	Relays	
	2	Two 10A Form C
	4	Two 10A Form C & Two 5A Form A ***
	X	None
K	Option	
	B	6" ANSI panel adapter
	C	NEMA4X clear cover
	M	Metal shell
	S	Special
	X	None

Inputs continued next column

* Style LC or LD only
*** Shared common between A & C pairs

SPECIFICATIONS

Input Accuracy:	
DCV, DCA	±(0.06% of reading + 2 counts)
ACV, ACA	±(0.07% of reading + 5 counts)
Temperature	±(0.1% of reading + 3 counts)
Direct Pressure	±(1.0% of range + 3 counts)
Frequency/RPM	±(0.06% of reading + 2 counts)
Strain/Load	±(0.08% of reading + 3 counts)
Process	±(0.06% of reading + 2 counts)
Resistance/Pots	±(0.06% of reading + 2 counts)
Bargraph Display:	4", 101 segment
Bar Viewing Angle:	±40° red or green, ±35° orange
Digital Display:	4 digit LED, 0.31" (7.9mm) height Range -1999 to 9999 counts
Decimal Position:	Front panel selectable n.nnn, nn.nn, nnn.n, nnnn.
Relay Output:	
Form A (SPST)	5A@250VAC, 5A@30VDC (resistive)
Form C (SPDT)	10A@240VAC, 8A@24VDC (resistive)
Analog Output:	Isolated 16 bit, user scalable
mA out	4-20mA, 500Ω maximum loop resistance
Volts out	0-10VDC, 500Ω minimum load resistance
Power Supply:	85-265 VAC / 95-300 VDC @ 2.5W (4.2W) 15-48 VAC / 10-72 VDC @ 2.5W (4.2W)
Sensor Excitation:	24V @ 50mA (2-wire loop power) 10V @ 120mA (bridge excitation)
Operating Temperature:	0 to 50°C, 95% RH (non-condensing)