


DC Voltage and Current Digital Panel Meters

- Bright Red or Green LED Display
- 4½ Digit Resolution to ±19,999 for direct readout in mV, V, mA or A
- Field Scaleable From Front Panel
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- Isolated 5, 10 or 24 Vdc Transducer Excitation Supply
- Optional Relay, analog and Communications Outputs
- NEMA 4X, 1/8 DIN, Panel Mount Case

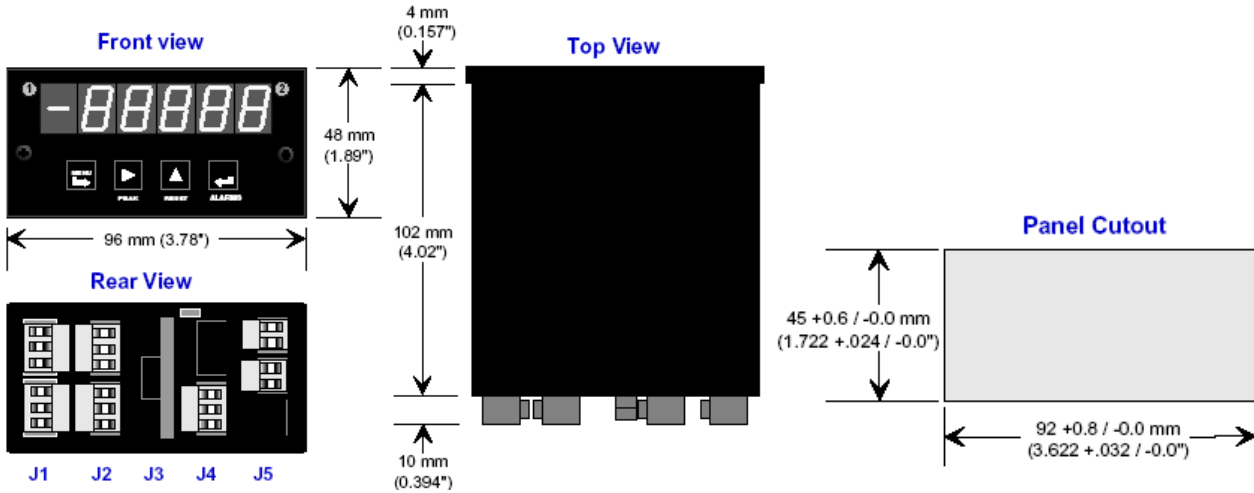


DESCRIPTION

These DC voltage and current meters combine high accuracy with high read rate and a wide range of optional isolated outputs for computer interface and control. Accuracy is 99.99% of full scale ±1 count. 5, 10 and 24 Vdc isolated excitation outputs are standard to power external devices such as transducers or transmitters. Plug-in isolated analog output, dual setpoint controller, and RS-232-RS-485, Modbus, and Ethernet boards can upgrade the display from a simple monitor to system interface and control.

Ordering Guide Example: L-2-0-0-1-0-DCA

L	2	0	A	1	0	DCA
Panel Meter	Display Color	Power	Setpoint Output	Analog Output	Digital Interface	Input Type
L=1/8 DIN Panel Mount	1=Green 2=Red	0=85-264 Vac 1=9-37 Vdc	0=None 1=Dual 10A contact relays 2=Dual solid state relays	0=None 1=0-20mA and 0-10 V	0=None 1=RS-232 2=RS-485 3=BCD 4=Modbus* *Check for availability	P=4-20mA P1=4-20mA (factory scaled) DCV3=20 Vdc DCV1=200mV



These panel meters use UL / VDE / CSA rated screw-terminal connectors that plug into a mating PC board jack. The RS-232 and RS-485 boards use an RJ-11 phone jack. The BCD board uses a 30-pin, 0.1" mass-termination ribbon cable connector.

Specifications

<p>Display Type Five 7-segment, 14.2 mm (.56") high LED digits plus 3 LED indicators Display color Red or green Display range -99999 to +99999 and -99990 to +99990</p> <p>A to D Conversion A to D rate 60/s at 60 Hz, 50/s at 50 Hz Output update rate 56/s at 60 Hz, 47/s at 50 Hz Display update rate 3.5/s at 60 Hz, 3/s at 50 Hz</p> <p>Accuracy at 25°C DC volts, DC amps, ratio 0.01% FS +/-1 count Thermocouple 0.3°C max RTD 0.1°C max True RMS (1 to 100%, 10 Hz to 10 kHz) 0.1% FS Load cell 0.01% FS +/-1 count</p>	<p>Temperature Coefficients Span tempco 0.003% of reading / °C Zero tempco 0.1 digits / °C TC reference junction 0.03 degree/degree</p> <p>Noise Rejection CMV, DC to 60 Hz Safety-rated to 250 Vac 4.2 kVp per High Voltage Test CMR, DC to 60 Hz 130 dB NMR to 50/60Hz line 90 dB with min filtering</p>	<p>Environmental Operating temperature 0°C to 55°C Storage temperature -40°C to 85°C Relative humidity 95% at 40°C, non-condensing Protection NEMA 4X when mounted in panel</p> <p>Operating Power Voltage (std) 85 to 264 Vac or 90 to 370 Vdc Voltage (opt) 8 to 28 Vac or 9 to 37 Vdc Power frequency DC or 47 Hz to 440 Hz</p> <p>Isolated Excitation Power Output Output level 5 Vdc, 5%, 100 mA 10 Vdc, 5%, 120 mA 24 Vdc, 5%, 50 mA Isolation (power gnd) Safety-rated to 250 Vac 4.2 kVp per high voltage test</p>
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