

LCD DIGITAL PANEL METERS

Large, low-cost 3 1/2 Digit LCD Display



**Snap-in
Bezel Mount (Actual size)**

Features:

- Low-cost, high-performance replacement for many OEM DPMs
- Snap-in bezel mount eliminates mounting hardware
- Low power: choice of 180µA (9V, ±5V) or 2.5mA (+5V)
- Space-saving design: only 1" (25 mm) deep
- Occupies less than 2.5 X 1.1 inches of front panel space
- 3 1/2 digits with high-contrast LCD Display

Specifications:

Display:	
Digits:	3 1/2 digits (±1999 counts)
Type:	0.5" (12mm) high-contrast reflective LCD
Polarity:	Automatic, "-" displayed
Decimal Points:	3 position, user selectable
Overload:	Three lower order digits blank for inputs >1999 & <-1999
Hold:	Available OEM option, contact factory
Inputs:	
Ranges:	±200.0mV, ±2.000V, ±20.00V DC
Configuration:	Bipolar & Differential
Protection:	±350V DC, (±100V DC on 200mV range)
Impedance:	>10 Megohm, (>1 Megohm on 20V range)
Performance:	
Accuracy:	±(0.1% + 1 count) typical ±(0.1% + 2 counts) maximum
Conversion Rate:	2.5 per second
Normal Mode Rejection:	>30 db @ 60 Hz
Common Mode Range:	±1V DC
Common Mode Rej.:	>86 dB
Zero Adjustment:	Automatic
Warmup:	10 minutes typical
Temperature Coeff.:	± 100 ppm per °C typical
Environment:	
Operating Range:	0 to 50 °C
Storage Range:	-20 to 70 °C
Power Supply:	
5V powered DPM:	+5V DC (±5%) at 2.5 mA
Mounting:	
	Snap-In Bezel Mount
Connection:	
	13 pins, 0.025" square on 0.1" centers - pin 3 missing

Ordering Information

MODEL	DESCRIPTION
DK501	3 1/2 digit, 5V power, 200mV Input
DK502	3 1/2 digit, 5V power, 2V Input
DK503	3 1/2 digit, 5V power, 20mV Input

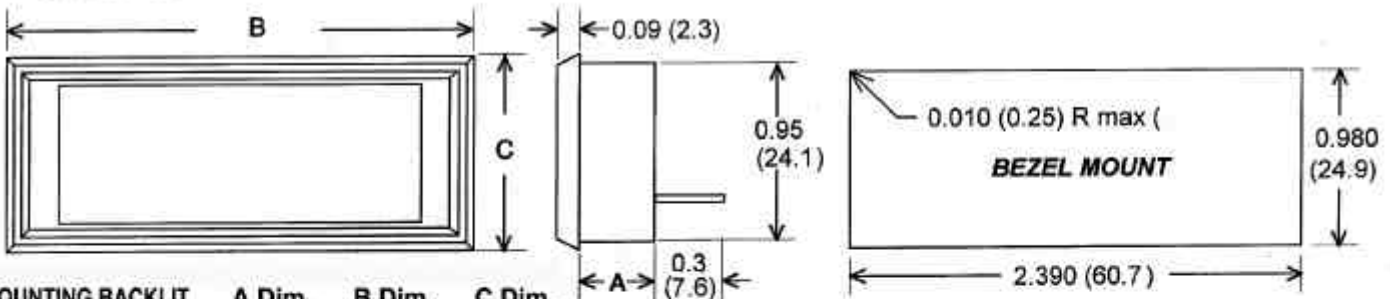
J1C1313 Pin Connector / Wire Assembly
PW2-5.....Regulated 120V AC to 5V DC Adaptor



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Dimensions

SNAP IN BEZEL MOUNT DIMENSIONS



MOUNTING BACKLIT	A Dim.	B Dim.	C Dim.
5S	NO	0.69 (17.5)	2.51(63.8) 1.10 (28)

CONNECTION DESCRIPTION

PIN#	13-PIN	DESCRIPTION
1	V+	POSITIVE DPM PWR SUPPLY
2	V-	NEG PWR FOR 9V OR +/-5V DPMS
3	NC	NO PIN
4	TST	NEG/GRD FOR +5V DPMS
5	COM	ANALOG COMMON
6	INLO	NEGATIVE INPUT SIGNAL
7	INHI	POSITIVE INPUT SIGNAL
8	(CLK)	OPTIONAL HOLD INPUT
8	RFL	NEGATIVE REFERENCE INPUT
9	RFH	POSITIVE REFERENCE INPUT
10	ROH	INTERNAL REFERENCE OUTPUT
11	D3	1.XXX DECIMAL POINT
12	D2	1X.XX DECIMAL POINT
13	D1	1XX.X DECIMAL POINT

