

LCD Digital Panel Meters

Low-cost 3 1/2 Digit LCD Displays for voltage inputs



s o n a c t u a s i e

Features:

- Space saving design only 0.67" (17mm) deep
- Occupies less than 2.5 x 1.1 inches of front panel space
- 3-1/2 digits with 0.39" LCD
- Snap-In bezel eliminates the need for mounting hardware
- User Selectable Decimal Points

Specifications:

Display:	
Digits:	3 1/2 Digits (± 1999 counts)
Type:	0.39" (10mm) High Contrast Reflective LCD
Polarity:	Automatic, "-" Displayed.
Decimal Points:	3 Position, User Selectable
Overload:	Three lower order digits blank for inputs >1999 & <-1999
Hold:	Display Hold Function is Standard
Inputs:	
Ranges:	$\pm 200.0\text{mV}$, $\pm 2.000\text{V}$, $\pm 20.00\text{V DC}$
Configuration:	Bipolar, Differential
Protection:	$\pm 350\text{V DC}$, ($\pm 100\text{V DC}$ on 200mV Range)
Impedance:	$>1\text{ Megohm}$, ($>10\text{ Megohm}$ on 200mV Range)
Performance:	Accuracy: $\pm(0.1\% + 1\text{ counts})$ Typical
	$\pm(0.2\% + 2\text{ counts})$ Maximum
	Conversion Rate: 3 per Second
	Normal Mode Rejection: $>30\text{ db @ }60\text{ Hz}$
	Common Mode Range: $\pm 1\text{V DC}$
	Common Mode Rej.: $>86\text{ dB}$
	Zero Adjustment: Automatic
	Warmup: 10 Minutes Typical
Environment:	Temperature Coeff.: $\pm 100\text{ ppm per }^{\circ}\text{C}$ Typical
Power Supply:	Operating Range: 0 to 50 $^{\circ}\text{C}$
	Storage Range: -20 to 70 $^{\circ}\text{C}$
Mounting:	Voltage: +5V DC ($\pm 5\%$)
	Current: 3mA
Connection:	
Snap-In Bezel Mount	
10 Pins, 0.025" Square on 0.1" centers	

Ordering Information:

DK110200mV range, LCD DPM, Differential Input

DK1112V range, LCD DPM, Differential Input

DK11220V range, LCD DPM, Differential Input

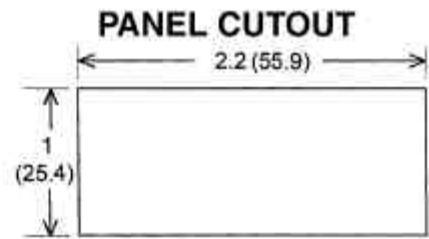
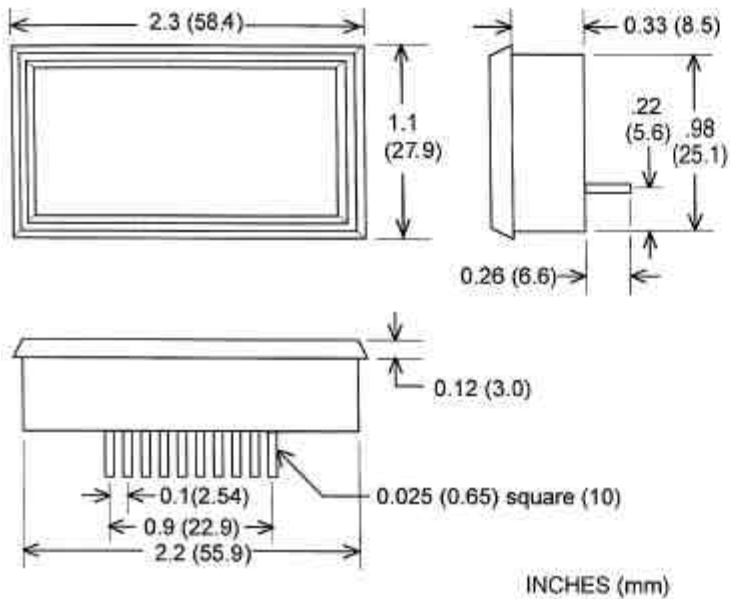
.....10 Pin Connector / Wire Assembly

.....Regulated 120V AC to 5V DC Adaptor



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CONNECTION DESCRIPTIONS

PIN	DESCRIPTION
V +	+5V DPM POWER SUPPLY
GND	DPM POWER SUPPLY GROUND
DP COM	DECIMAL POINT RETURN
DP1	1XX.X
DP2	1X.XX
DP3	1.XXX
INPUT (+)	POSITIVE INPUT SIGNAL
INPUT (-)	NEGATIVE INPUT SIGNAL
NC	NO CONNECTION REQUIRED
HOLD	HOLD LAST DISPLAY