

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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LCD Digital Panel Meters 3½ Digit LCD - Window Mount **DK100/300 Series**











Features:

- Low-cost, high-performance replacement for many OEM DPMs
- Optional Red or Green backlighting
- Mounting choices:

Window mount for custom OEM Surface mount with minimum space behind the panel

- 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
- ♦ 3½ digits with high-contrast LCD
- Optional loop powered 4 to 20mA process inputs available (see DMO-590)

Specif	ications:			
Display:	Digits:	3 ½ digits (±1999 counts)		
	Type:	0.5" (12mm) high-contrast reflective LCD		
	Backlighting:	Optional Red Negative (red numbers/black background)		
		Optional Green Negative (green numbers/black background		
		Optional Green Positive (black numbers/green background)		
	Polarity:	automatic, "-" displayed		
	Decimal Points:	3 position, user selectable		
	Overrange:	three lower order digits blank for inputs >1999 & < -1999		
	Hold:	available OEM option, contact factory		
Inputs:	Ranges:	±200.0 mV, ±2.000 V, ±20.00 VDC		
	Configuration:	bipolar & differential		
	Protection:	±350 VDC, (±100 VDC on 200 mV range)		
	Impedance:	>10 MΩ, (>1 MΩ on 20 V 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:	±1 VDC		
	Common Mode Rej.:	>86 dB		
	Zero Adjustment:	automatic		
	Warmup:	10 minutes typical		
	Temperature Coefficient:	±100 ppm per °C typical		
Environment:	Operating Range:	0 to 50 °C		
	Storage Range:	-20 to 70 °C		
Power Supply:	5V powered:	+5 VDC (±5%) at 2.5 mA		
	9V(±5V) powered:	+7.2 to +12 V at 180 μA		
	Optional Backlight:	+5 VDC at 100 mA typical		
Mounting:		surface or window mount		
Connection:		13 pins, 0.025" square on 0.1" centers - pin 3 missing		

Ordering Information:

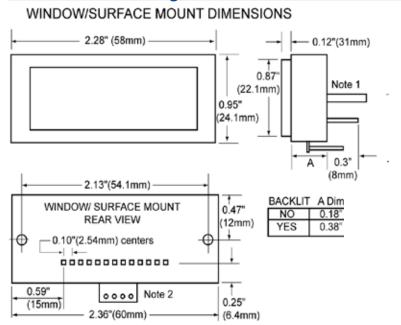
PART NUMBER DK101	BACKLIGHT COLOR NO BACKLIGHT	METER INPUT 200mV	METER POWER	BACKLIGHT POWER		
DK102	NO BACKLIGHT	2V	9V	NONE		
DK103	NO BACKLIGHT	20V	9V	NONE		
DK301	NO BACKLIGHT	200mV	5V	NONE		
DK302	NO BACKLIGHT	2V	5V	NONE		
DK303	NO BACKLIGHT	20mV	5V	NONE		
DK311	POS GREEN	200mV	9V	5VDC		
DK312	POS GREEN	2V	9V	5VDC		
DK331	POS GREEN	200mV	5V	5VDC		
DK332	POS GREEN	2V	5V	5VDC		
DK411	NEG GREEN	200mV	9V	5VDC		
DK412	NEG GREEN	2V	9V	5VDC		
DK431	NEG GREEN	200mV	5V	5VDC		
DK432	NEG GREEN	2V	5V	5VDC		
DK511	NEG RED	200mV	9V	5VDC		
DK512	NEG RED	2V	9V	5VDC		
DK531	NEG RED	200mV	5V	5VDC		
DK532	NEG RED	2V	5V	5VDC		
				,		
J1C1313 Pin Connector / Wire Assembly						
PW2-5	PW2-5Regulated 120V AC to 5V DC Power Supply					
PW2-12Regulated 120V AC to 12V DC Power Supply						
PW1.024V AC to adjustable DC output						
CPW1.5			24V AC to ad	ljustable DC output		
CVC				Calibrator		

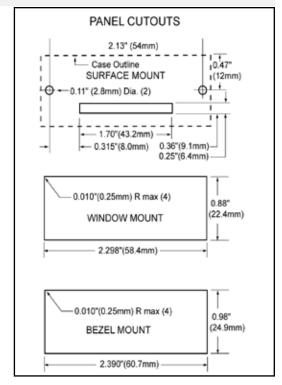


LCD Digital Panel Meter 3½ Digit LCD - Window



Dimensions & Wiring Connections





CONNECTION DESCRIPTION

13-PIN DESCRIPTION POSITIVE DPM PWR SUPPLY V+ ٧-NEG PWR FOR 9V OR ± 5V DPMS NC NO PIN GND NEG PWR FOR +5V DPMS COM ANALOG COMMON INLO DISPLAY INPUTS: DIPLAY IS NEGATIVE INHI IF INHI IS LOWER THAN INLO RFL (CLK) NEGATIVE REFERENCE INPUT (AND OPTIONAL HOLD) POSITIVE REFERENCE INPUT ROH INTERNAL REFERENCE OUTPUT D3 DECIMAL POINT = 1XX.X* DECIMAL POINT = 1X.XX* DECIMAL POINT = 1.XXX*

* Connect to Pin 1