



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!



## Contact us

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### FEATURES

- ▶ Large, 1", 3½ digit display for easy viewing
- ▶ Standard 1/8 DIN package
- ▶ User-selectable decimal points
- ▶ User-selectable engineering units
- ▶ Snap-in panel mounting - no tools or hardware required
- ▶ 13 pin connector / wiring harness included
- ▶ Gasket and clamp provided for NEMA 4, NEMA 12 & IP66 applications

### SPECIFICATIONS

#### DISPLAY

Digits: 3 ½ Digits (±1999 counts)  
 Type: 1" (24.9 mm) high contrast LCD  
 automatic, "-" displayed.  
 Polarity: 3 position, user-selectable  
 Decimal Points: three lower order digits blank for  
 overrange: inputs >1999 & < -1999  
 Hold: display hold function is standard  
 Annunciators: PSI, °F, °C, % user-selectable

#### INPUTS

Ranges: ±200.0 mV, +/-2.000 V, +/-20.00 VDC  
 Configuration: bipolar, differential  
 Protection: ±350 VDC, (±100 VDC on 200 mV range)  
 Impedance: >1 MΩ, (>10 MΩ on 200 mV range)

#### PERFORMANCE

Accuracy: ±(0.05% FS +1 counts)  
 Conversion Rate: 3 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 Coeff.: ±100 ppm per °C typical

#### ENVIRONMENT

Operating Range: -10 to 50 °C  
 Storage Range: -10 to 75 °C

#### POWER SUPPLY

5V powered: +5 VDC (±5%) 3 mA @ 5 V

#### MOUNTING

snap-in panel mount or clamp and gasket  
 (included)

#### CONNECTION

13 pin male connection

### ORDERING INFO

| PART NUMBER  | METER INPUT |
|--------------|-------------|
| DK801A ..... | 200mV       |
| DK802A ..... | 2V          |
| DK803A ..... | 20V         |

#### ACCESSORIES

|             |   |
|-------------|---|
| J4C13.....  | 13 Pin Connector / Wire Assembly        |
| PW2-5 ..... | Regulated 120V AC to 5V DC Power Supply |
| CVC .....   | Calibrator                              |

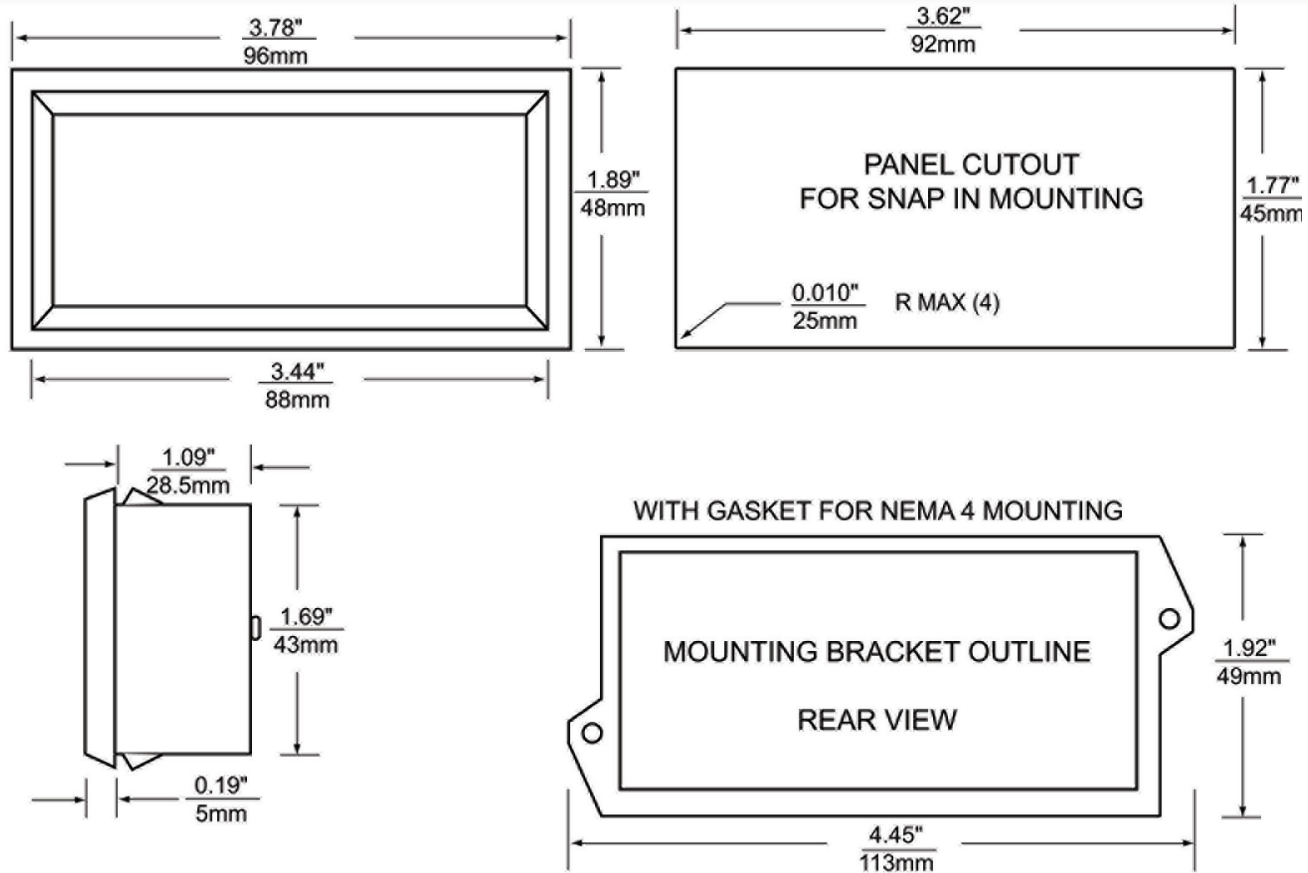


Specifications Installation and Operating Instructions  
**LCD Digital Panel Meters**  
 Large 1" - 3½ Digit LCD Digital Panel Meter

**DK800**



**DIMENSIONS**



Inches  
mm

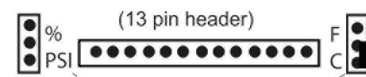
**NOTES:**

1. Panel thickness is: 0.032"/0.81mm to 0.25"/6.35mm
2. Gasket supplied is: 0.075"/1.9mm thick

**WIRING**

**PIN # DESCRIPTION**

- | PIN # | DESCRIPTION                                    |
|-------|--|
| 1     | +5V POWER SUPPLY                               |
| 2     | NEGATIVE SUPPLY                                |
| 3     | INH1   |
| 4     | INLO   |
| 5     | DECIMAL COMMON                                 |
| 6     | DECIMAL 000.0 WHEN CONNECTED TO DECIMAL COMMON |
| 7     | DECIMAL 00.00 WHEN CONNECTED TO DECIMAL COMMON |
| 8     | DECIMAL 0.000 WHEN CONNECTED TO DECIMAL COMMON |
| 9     | NO CONNECTION REQUIRED                         |
| 10    | NO CONNECTION REQUIRED                         |
| 11    | DISPLAY HOLD WHEN CONNECTED TO +5V             |
| 12    | NO CONNECTION                                  |
| 13    | NO CONNECTION                                  |



\* Note: Pins 2 & 4 should be tied together for proper operation