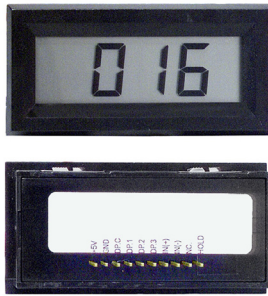


FEATURES

- ▶ Space saving design only 0.67"(17mm) deep
- ▶ Occupies less than 2.5 x 1.1 inches of front panel space
- ▶ High contrast LCD
- ▶ 3½ digits with 0.39" LCD
- ▶ Snap-In bezel eliminates the need for mounting hardware
- ▶ Low power requirement (3mA) is ideal for battery powered applications
- ▶ User-selectable Decimal Points



SPECIFICATIONS

DISPLAY

Digits: 3 ½ digits (±1999 counts)
 Type: 0.39" (10mm) high contrast reflective LCD
 automatic, "-" displayed.
 Polarity: 3 position, user selectable
 Decimal Points: three lower order digits blank for
 Overrange: inputs >1999 & < -1999

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: ±(0.1% + 1 counts) typical
 ±(0.2% + 2 counts) maximum
 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: 0 to 50 °C
 Storage Range: -10 to 70 °C

POWER SUPPLY

Voltage: +5 VDC (±5%)
 Current: 3 mA

MOUNTING

snap-in bezel mount

CONNECTION

10 pins, 0.025" square on 0.1" centers

ORDERING INFO

| PART NUMBER | METER INPUT |
|--------------|---|
| 9650FO | 200mV |
| 9652FO | 2V |
| 9654FO | 20V |
| | |
| C10-5 | 5" - 10 Pin Connector / Wire Assembly |
| J1C10 | 12" - 10 Pin Connector / Wire Assembly |
| PW2-5 | Regulated 120V AC to 5V DC Power Supply |

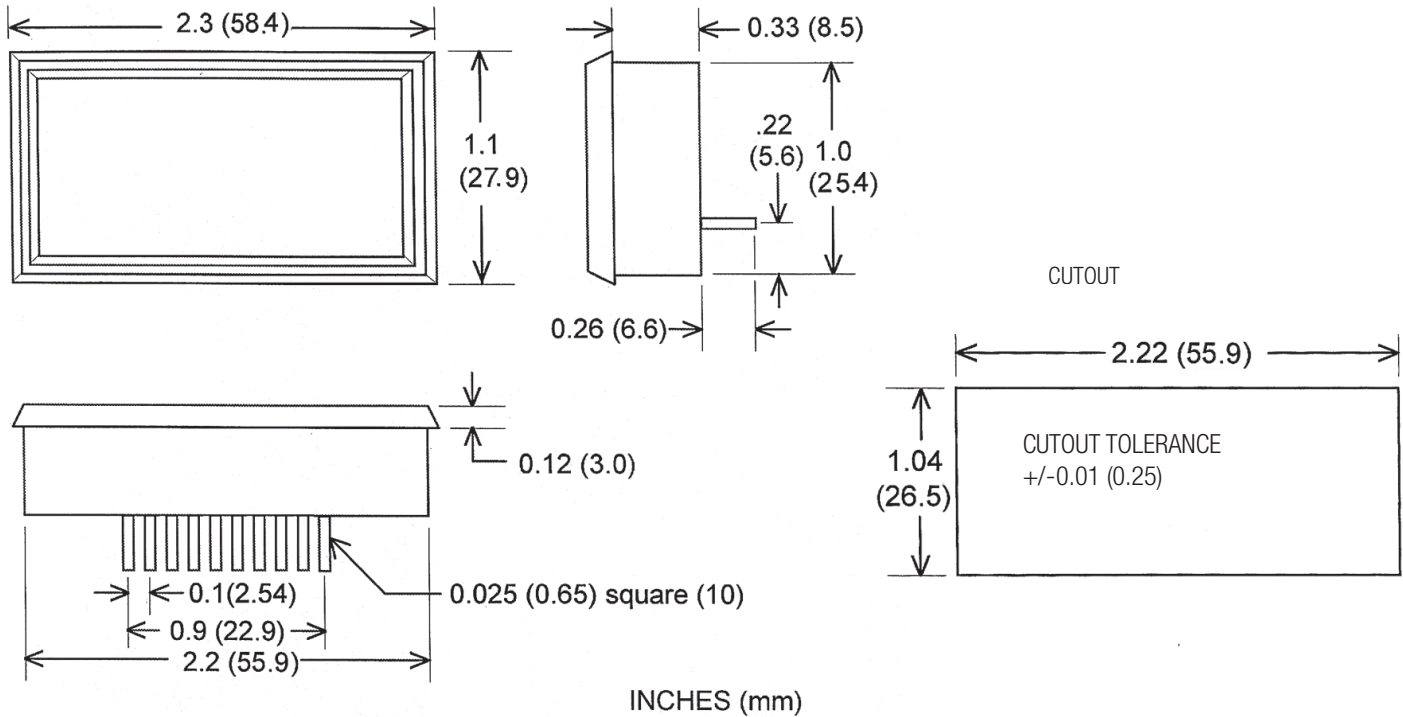


LCD Digital Panel Meters

3½ Digit LCD

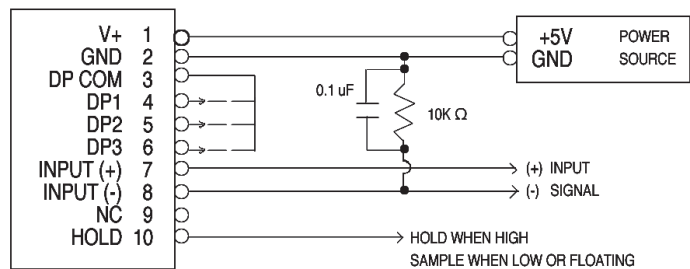


DIMENSIONS



WIRING

| Pin No. | Pin Name | Description |
|---------|----------|--------------------------------------|
| 1 | +5V | +5V DPM power supply |
| 2 | GND | Power supply ground |
| 3 | DPC | Decimal point return |
| 4 | DP1 | 1XX.X (connect to DP COM to turn on) |
| 5 | DP2 | 1X.XX (connect to DP COM to turn on) |
| 6 | DP3 | 1.XXX (connect to DP COM to turn on) |
| 7 | INPUT(+) | Positive input signal |
| 8 | INPUT(-) | Negative input signal |
| 9 | NC | No connection required |
| 10 | NC | No connection required |



The input common mode range is $\pm 1V_{dc}$. If INPUT (-) is not directly connected to GND, a 10k resistor network can be connected as shown to reduce unstable readings.

Unused pins should be left open.

CAUTION: Damage to the unit can occur if the power source polarity is reversed, or a greater than 6V is applied between pins 1 & 2