

## 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  
 Polarity: automatic, "-" displayed.  
 Decimal Points: 3 position, user selectable  
 Overrange: three lower order digits blank for 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

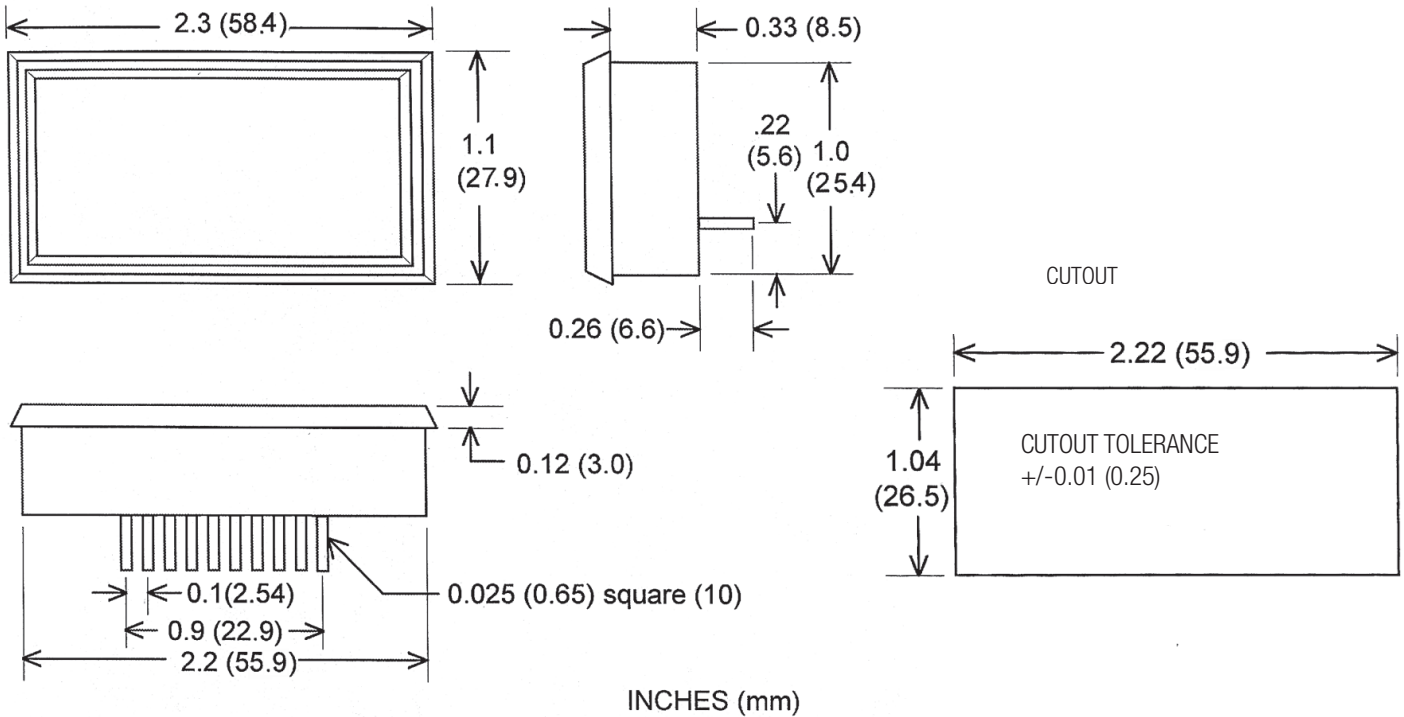
PART NUMBER	METER INPUT
9650FO .....	200mV
9652FO .....	2V
9654FO .....	20V
C10-5 .....	5" - 10 Pin Connector / Wire Assembly
J1C10 .....	12" - 10 Pin Connector / Wire Assembly
PW2-5 .....	Regulated 120V AC to 5V DC Power Supply



Specifications Installation and Operating Instructions  
**LCD Digital Panel Meters**  
 3½ Digit LCD

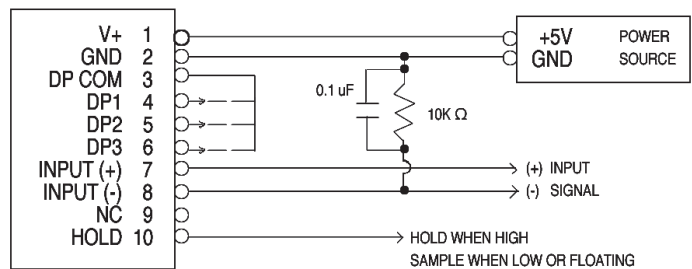


**DIMENSIONS**



**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