

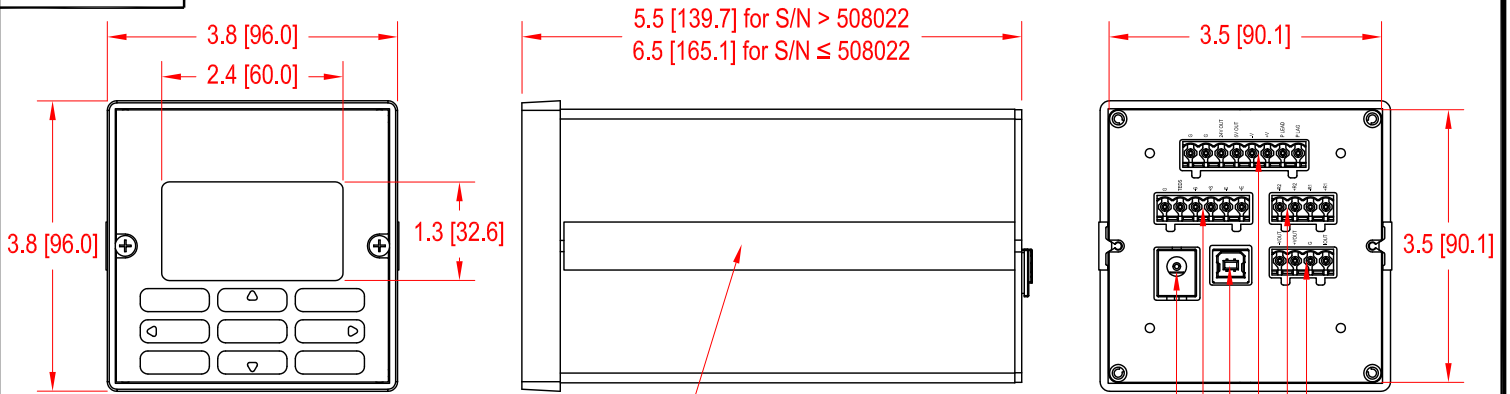
**FUTEK MODEL IPM650**  
**ITEM # FSH03633**

# Intelligent Panel Meter



Drawing Number: FI1340-C

INCH [mm]



Panel Mount Jack

Input Power: 12 VDC ± 0.5 V @ 1 A

Strain Gauge Input

USB Type B Socket

Amplified Input

Relays

Analog Output

**PERFORMANCE:**

- 24 bits Internal Resolution
- Up to 20 bits (±500,000 counts) Noise Free Resolution
- 5 to 4800 Samples per Second Selectable Rate
- High Accuracy (±0.001%)
- Low Non-linearity (±0.001%)
- Minimum Bridge Resistance: 30 ohm

**INPUT:**

- Input Range up to ± 500mV/V (Strain Gauge)
- Input Range ±12VDC (Amplified Input)
- Input Range up to 30 mA (Amplified Input)

**OUTPUT:**

- USB Output
- ASCII Stream
- Precision 5.000V Excitation
- 24V/ 5V Supply
- Analog Voltage (0-5 or +/- 5 VDC)
- Analog Current (0-20, 4-20, 0-25, 5-25 mA)
- Selectable Voltage and Current Configuration
- Two Individual Relay Outputs (110 VAC - 100 mA)

**FEATURES:**

- 21k Point Data Logging
- Bridge Resistance Measurement
- Keypad Options (Track/Hold, Peak/Valley Reset, Unit, Tare/Gross, Shunt, Channel, Display, Menu)
- First Peak/ First Valley Feature
- User Friendly Navigation Menu
- Shunt Calibration
- Universal Unit Conversion
- 14 Sensor Profile Storage
- Supports IEEE145.4 Standard (TEDS 30 & 33)

**ENVIRONMENT:**

- Operating Temperature: -4°F (-20°C) to 158°F (70°C)
- Storage Temperature: -22°F (-30°C) to 176°F (80°C)



**LCD:**

- 16 x 4 character LCD with Selectable Height (0.18 [4.75] and 0.49 [12.55])
- LCD Auto Power-off
- Brightness/ Contrast Adjustment

**POWER ADAPTER:**

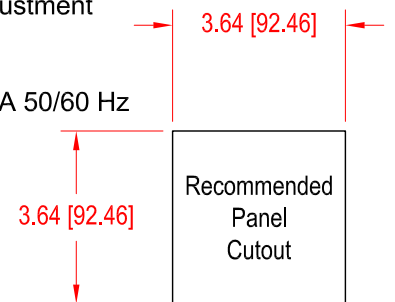
- Input: 90-264 VAC - 0.5 A 50/60 Hz
- Output: 12 VDC - 1 A

**WEIGHT:**

- 1.9 lb (862 g)

**ACCESSORIES :**

- GOD03275: Power Supply Adapter (Included)
- GOD03196: Black USB Cable (2m) (Optional)
- GOD03338: 8 Pin Connector Plug (Included)
- GOD03337: 6 Pin Connector Plug (Included)
- GOD03336: 4 Pin Connector Plug (2) (Included)



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