

# FUTEK MODEL IPM500 (D500)

# SIGNAL CONDITIONED DIGITAL DISPLAY

Drawing Number: FI1037

INCH [mm]

FOR USE W/ ANY STRAIN GAGED SENSOR



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## FEATURES:

- 60 Conversions per second
- Scaleable to 5 digits.  $\pm 99,999$
- Isolated selectable excitation to power sensors  
5 VDC @ 50 mA, 10 VDC @ 120 mA
- Peak hold and remote auto tare
- Plug-in screw terminal
- WEIGHT: 9 Oz [0.25 Kg]

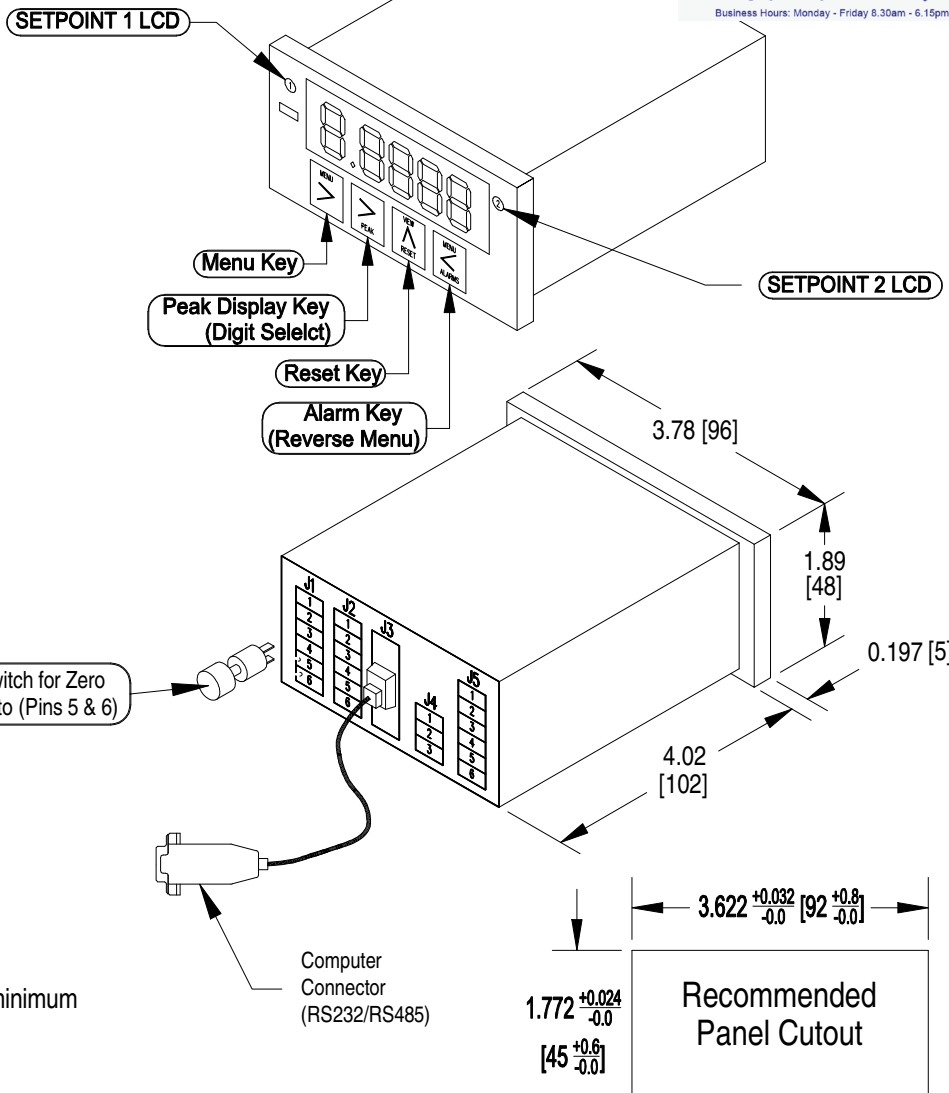
## ENVIRONMENT:

- Operating Temperature: 32°F to 130°F  
[0°C to 55°C]
- Storage Temperature: -100°F to 180°F  
[-73°C to 82°C]
- Relative Humidity: 95% at 100°F [38°C]

## OPTIONS:

- Isolated linearized analog outputs:  
0 to 10 Vdc or 4 to 20 mA
- Dual setpoint controller (Alarm)  
w/2 Form C contact relays: 10 Amp Max
- RS232 Baud rates from 300 to 19,200
- Worldwide input power: 85 to 264 VAC
- Worldwide input power: 9 to 37 VDC, 500mA minimum

Manual Tare Switch for Zero  
Reset Connected to (Pins 5 & 6)



Stock #	Analog Alarms/ Output Relays			RS232	RS485	Power	Old Ref.#
FSH00010						AC	D501
FSH00901						DC	
FSH00899	X	X	X			AC	D502
FSH00907	X	X	X			DC	
FSH00900	X	X			X	AC	D503
FSH00908	X	X			X	DC	
FSH00894	X					AC	D504
FSH00902	X					DC	
FSH00895		X				AC	D505
FSH00903		X				DC	
FSH00896			X			AC	D506
FSH00904			X			DC	
FSH00897					X	AC	D507
FSH00905					X	DC	

### J1- Power and Digital Controls

- |                   |   |
|-------------------|---|
| AC HI (+DC HI)    | 1 |
| AC LO (DC RET)    | 2 |
| EARTH GROUND      | 3 |
| (DIGITAL INPUT B) | 4 |
| (DIGITAL INPUT A) | 5 |
| DIGITAL GROUND    | 6 |

### J2- Dual Setpoint Controller Relay Outputs (Alarm)

- |                     |   |
|---------------------|---|
| ALARM 1-N/O CONTACT | 1 |
| ALARM 1-N/C CONTACT | 2 |
| ALARM 1-COMMON      | 3 |
| ALARM 2-N/O CONTACT | 4 |
| ALARM 2-N/C CONTACT | 5 |
| ALARM 2-COMMON      | 6 |

### J3- Digital Interface

### J4- Analog Output

- |                    |   |
|--------------------|---|
| 0 TO 20 MA OUTPUT  | 1 |
| 0 TO 10 VDC OUTPUT | 2 |
| ISOLATED GROUND    | 3 |

### J5- Signal Input

- |              |   |              |
|--------------|---|--------------|
| - EXCITATION | 1 | - EXCITATION |
| - SENSE      | 2 | - SENSE      |
| - SIGNAL     | 3 | - SIGNAL     |
| + SIGNAL     | 4 | + SIGNAL     |
| + EXCITATION | 5 | + EXCITATION |
| + SENSE      | 6 | + SENSE      |
- SHIELD

### Default Settings

- INPUT: **STRN**  
 SETUP: **00005**  
 FILTER: **11100**  
 DECIMAL PNT: } *see label on instrument*  
 SCALE: }  
 OFFSET: **00000**  
 LOC 1: **00000**  
 LOC 2: **00 \_\_\_**  
 LOC 3: **0000**