

FUTEK MODEL IPM500 (D500) SIGNAL CONDITIONED DIGITAL DISPLAY W/ PEAK AND VALLEY

Drawing Number: FI1037-E

INCH [mm]

FOR USE W/ ANY STRAIN GAGED SENSOR
AVAILABLE WITH TEDS, USB, RS232 OPTION



FEATURES:

- 60 Conversions per second (60 Hz NMR)
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- Scaleable to 5 digits: ±99,999
- Isolated selectable excitation to power sensors
5 VDC @ 100 mA, 10 VDC @ 120 mA
- Peak and valley hold and remote auto tare
- Plug-in screw terminal
- Weight: 9 Oz [0.25 Kg]

ENVIRONMENT:

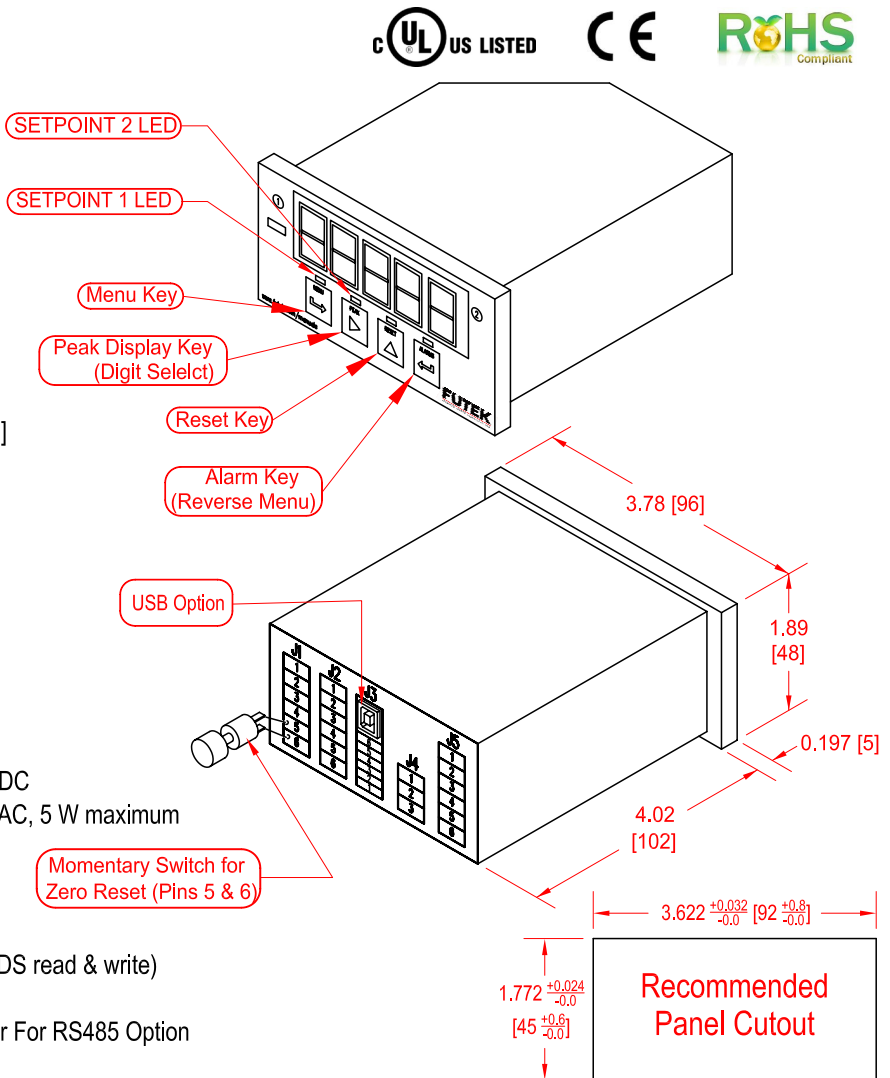
- Operating Temperature: 32°F to 130°F [0°C to 55°C]
- Storage Temperature: -40°F to 185°F [-40°C to 85°C]
- Relative Humidity: 95% at 104°F [40°C]

OPTIONS:

- Isolated linearized analog outputs:
0 to 10 Vdc or 0 to 20 mA
- Dual setpoint controller (Alarm)
w/2 Form C contact relays: 8 Amp Max
- TEDS IEEE1451.4, USB 2.0, RS232 (Combined)
TEDS supports template 30,31,33 & Dallas DS2433
- RS485 (No TEDS support)
- Worldwide input power: 95 to 240 VAC & 90 to 300 VDC
- Worldwide input power: 10 to 48 VDC and 12 to 30 VAC, 5 W maximum

ACCESSORIES:

- FSH02450- IAC160 TEDS Female DB9 Adapter
- GOD00672- USB Cable A-B Male, 6ft (2 M)
- FSH02048- Software (Data Display & Recording, TEDS read & write)
- FSH02625- RS232 Cable for TEDS option
- GOD00350 Cable & GOD00362 RJ11/DB9 Connector For RS485 Option



Stock #	Analog Output	Alarms/Relays	TEDS/ USB RS232	RS485	Power	Old Ref.#
FSH00010					AC	D501
FSH00901					DC	D502
FSH02487	X	X	X		AC	D502
FSH02540	X	X	X		DC	D502
FSH00900	X	X		X	AC	D503
FSH00908	X	X		X	DC	D503
FSH00894	X				AC	D504
FSH00902	X				DC	D504
FSH00895		X			AC	D505
FSH00903		X			DC	D505
FSH02541			X		AC	D506
FSH02542			X		DC	D506
FSH00897				X	AC	D507
FSH00905				X	DC	D507

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

*FOR SERIAL # 0-227233

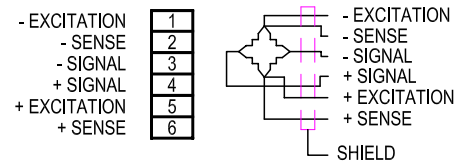
J3- Digital Interface (TEDS, RS232/USB OPTION)

TEDS DATA	6
TEDS GROUND	5
ISOLATED GROUND	4
RTS	3
RX	2
TX	1

J4- Analog Output

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

J5- Signal Input



Default Settings

INPUT: STRN 20.0 Hi Rd: 2000.0*
 SETUP: 00_15 SER 1: 151
 CONFG: 020_0 SER 2: 0011
 FILTER: 11100 LOC 1: 00000
 Lo In: 00.000 LOC 2: 0000
 Lo Rd: 0000.0 LOC 3: 0000
 Hi In: 20.000*

*See label on instrument for calibration settings