

IPM500/IBT500 QUICK START

FRONT



Menu Button
Is used to scroll through setting options and to save individual settings.



Peak Button
Is used to select the displayed menu item. Pressing the **Peak** function on a menu item will enable the user to change the items setting.



Reset Button
Is used to reset all display functions. Selecting the **Reset** function can change the numerical value of the flashing digits selected by the **Peak** function.

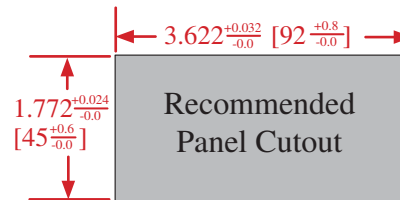
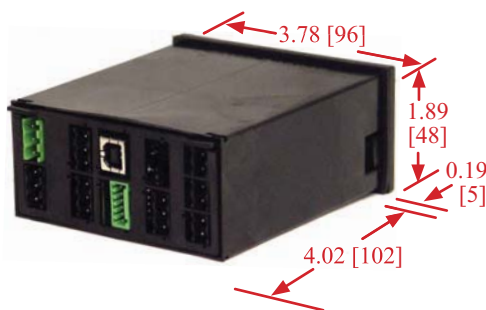


Alarms Button
Allows the user to scroll backwards through the menu options.

LED Alarm 1

LED Alarm 2

Panel Securing Screws



SPEC.

STANDARD FEATURES:

Up to 60 Conversions per second
Scaleable to 5 digits. $\pm 99,999$
Worldwide input power: 85 to 264 VAC and 90 to 370 VDC (Green or Blue Connector)
Isolated selectable excitation to power sensors.
5VDC@200 mA*, **10 VDC@120 mA**
Peak hold and remote auto tare
Plug-in screw terminal
Weight 9 oz [0.25 Kg]
** 5 VDC@50 mA is optional*

ENVIRONMENT:

OPERATING TEMP. 32°F to 130°F [0°C to 55°C]
STORAGE TEMP. -100°F to 180°F [-73°C to 82°C]
RELATIVE HUMIDITY 95% AT 100°F [38°C]

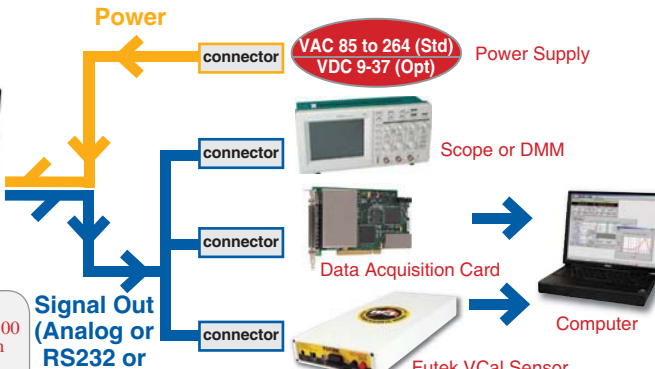
OPTIONS:

- * Analog Output
- * Alarm/Relay
- * RS232 / USB & TEDS
- * RS485
- * DC option (9-37 VDC) (Brown Connector)
- * **RS232 / USB Software Available**

SYSTEM



TEDS (IEEE 1451.4):
* TEDS option available for Futek IPM500 display, IBM500 display, VCal™ System and all sensors.
* Futek also upgrades your existing sensors with TEDS option.
* Call 1-800-23-FUTEK for details



IPM500 Also Available In Bench Top Version (IBT500)

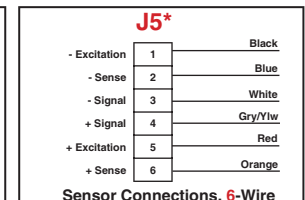
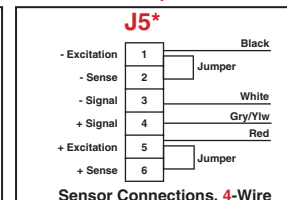
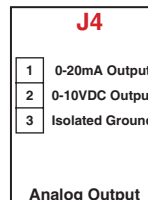
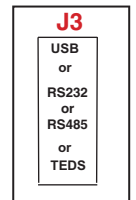
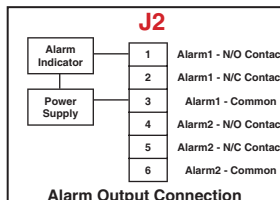
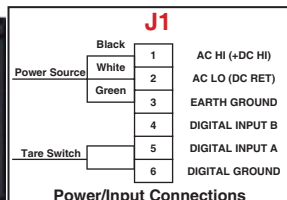
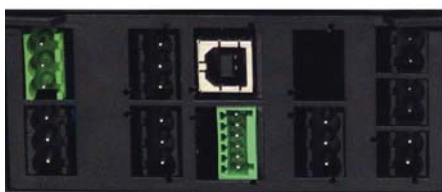


J5 Note:

* Color code shown below is per Futek standard wiring.
* Check your sensor color code per Futek spec drawing sheet.
Follow your sensor color code if it differs from the code below.

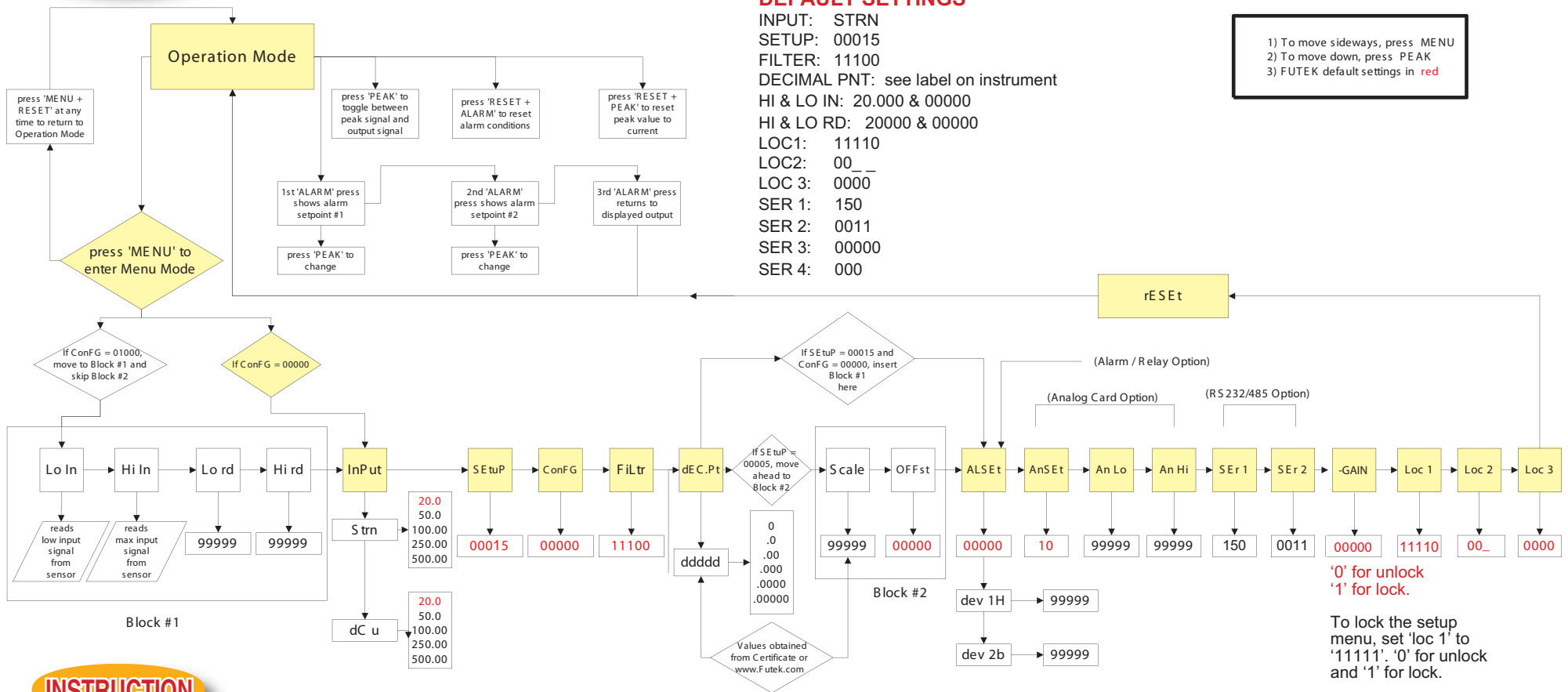
BACK

J1 J2 J3 J4 J5



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FLOW CHART



INSTRUCTION

J1

AC (Blue Connector) 85 to 264 VAC
 DC (Brown Connector) 9 to 37 VDC

The **GREEN/BLUE** power connector is for AC and the **BROWN** is for DC.

J5

4 Wire Sensor Connection
 6 Wire Sensor Connection

The display can be connected to sensors with 6 wires or 4 wires.

J1

Tare Switch Connection

You may remove the tare switch (included in std. package) from the back and mount on your front panel.

INSIDE

Locked Unlocked

Setting hardware lock out jumper.

INSIDE

+5 VDC +10 VDC (default) +24 VDC

Changing the location of the jumpers will change the excitation voltage.