

# FUTEK MODEL IHH500

# Intelligent Digital Handheld Display

Drawing Number: FI1329-A

INCH [mm]



### PERFORMANCE:

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

### INPUT:

- Input Range up to  $\pm 500\text{mV/V}$  (Strain Gauge)
- Input Range  $\pm 12\text{VDC}$  (Amplified Input)
- Input Range up to 30 mA (Amplified Input)
- Leading and Lagging TTL input\*

### OUTPUT:

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

### FEATURES:

- 21k Point Data Logging
- Speed/ Angle/ Power Measurement\*
- Bridge Resistance Measurement
- Keypad Options (Track/Hold, Peak/Valley Reset, Unit, Tare/ Gross, Shunt, Battery, 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)

### LCD:

- 16 x 4 character LCD with Selectable Height (0.18 [4.75] and 0.49 [12.55])
- 6 Digit Display Plus Sign and Decimal Point or 7 Digit Plus Sign Depending On Application
- LCD Auto Power-off
- Brightness/ Contrast Adjustment

### BATTERY:

- Rechargeable Battery Operated
- Battery Life up to 30 Hours (Depending on the Load)
- Battery Lifetime Monitoring

### BATTERY CHARGER:

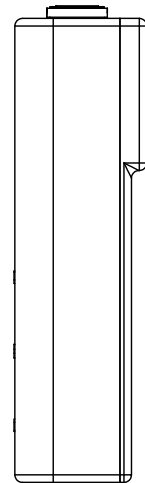
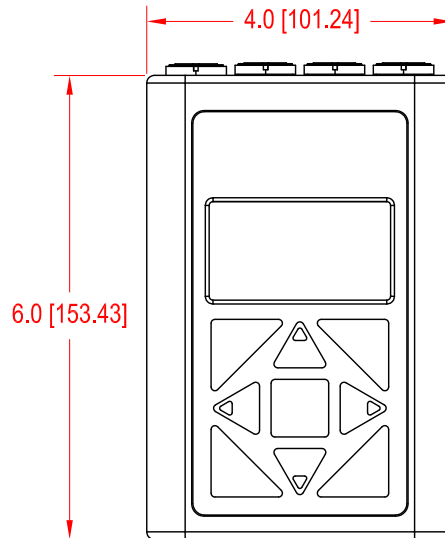
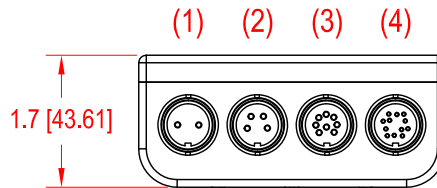
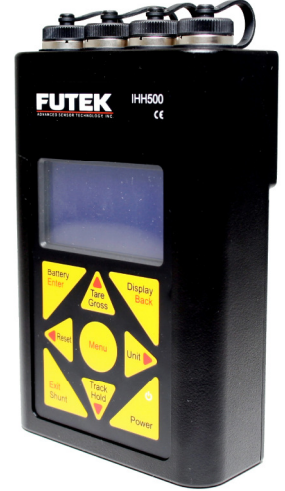
- Input: 100-240 VAC - 0.5 A 50/60 Hz
- Output: 12 VDC - 1.2 A

### WEIGHT:

- 1.85 lb (840 g)

### CONNECTORS:

- (1) Power Connector: Binder 09 0104 99 02  
Mating Connector: Binder 99 5101 00 02
- (2) USB Connector: Binder 09 0112 99 04  
Mating Connector: Binder 99 5109 00 04\*\*\*
- (3) Output Connector: Binder 09 0174 99 08  
Mating Connector: Binder 99 5171 00 08\*\*
- (4) Sensor Connector: Binder 09 0132 90 12  
Mating Connector: Binder 99 5129 00 12\*\*



### ENVIRONMENT:

- Operating Temperature:  $-4^{\circ}\text{F}$  ( $-20^{\circ}\text{C}$ ) to  $158^{\circ}\text{F}$  ( $70^{\circ}\text{C}$ )
- Storage Temperature:  $-22^{\circ}\text{F}$  ( $-30^{\circ}\text{C}$ ) to  $176^{\circ}\text{F}$  ( $80^{\circ}\text{C}$ )

### ITEM #'S:

- FSH03460: IHH500 - Elite Display w/ Accessory Kit
- FSH03571: IHH500 - Pro Display
- FSH03583: IHH500 - Accessory Kit
- FSH03569: IHH500 Power Supply Adaptor
- FSH03570: IHH500 USB Cable\*\*
- FSH03189: SensIT Instrument\*\*
- GOD03025: Bracket\*\*
- FSH03572: IHH500 Analog/Relay Output Cable\*\*

\*Only available in Elite version    \*\*Included with Elite version    \*\*\*Optional



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CAGE CODE # 1X8M6

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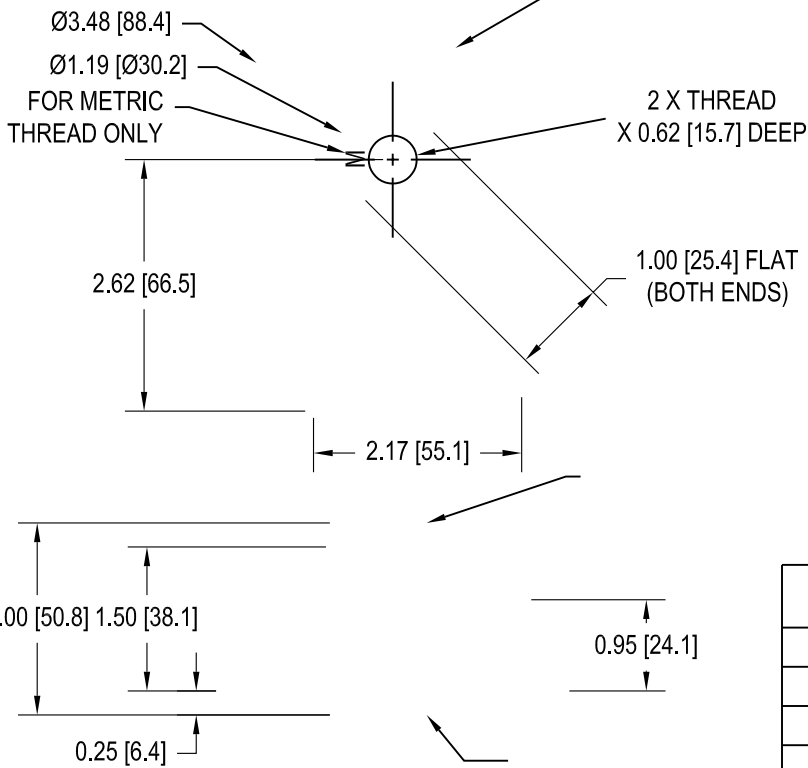
INTERNET:  
<http://www.futek.com>

# REPLACEMENT FOR LEBOW MODEL 3132

WIRING CODE (CC1 STANDARD / CC1T)			
+Excitation	-Excitation	+Signal	-Signal
RED PIN 'A'	BLACK PIN 'B'	GREEN PIN 'C'	WHITE PIN 'D'
+Sense/ TEDS Data*	-Sense/ TEDS Gnd*		
ORANGE PIN 'E'	BLUE PIN 'F'		

\*TEDS VERSIONS ONLY

+ OUTPUT  
(TENSION)



WIRING CODE LABEL  
FOR CC1, CC1T ONLY

ITEM #	Capacity		Thread	Wiring Code	
	lb	N		CC1	CC2
FSH03313	250	1112	1/2-20	X	
FSH03316					X
FSH03122	500	2224		X	
FSH00120					X
FSH03123	1000	4448		X	
FSH00121					X
FSH03125	2500	11120		X	
FSH03053					X
FSH03124	5000	22240		X	
FSH00124					X
FSH03314	250	1112	M12x1.75	X	
FSH03130	500	2224		X	
FSH03131	1000	4448		X	
FSH03133	2500	11120		X	
FSH03132	5000	22240		X	

CC1T (TEDS) WIRING CONNECTION AVAILABLE

