FUTEK MODEL IHH500

Intelligent Digital Handheld Display

Drawing Number: FI1329-A

INCH [mm]

CE ROHS

PERFORMANCE:

- 24 bits Internal Resolution
- Up to 20 bits (±500,000 counts) Noise Free Resolution
- 5 to 4800 Sample 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)
- Leading and Lagging TTL 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

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)

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

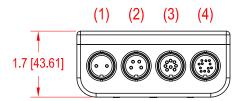
CONNECTORS:

(1) Power Connector: Binder 09 0104 99 02 Mating Connector: Binder 99 5101 00 02

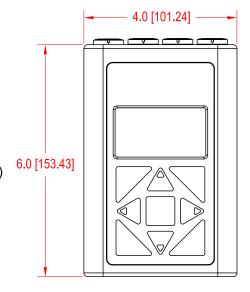
(2) USB Connector: Binder 09 0112 99 04 Mating Connector: Binder 99 5109 00 04***

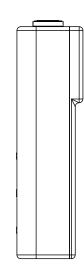
(3) Output Connector: Binder 09 0174 99 08
Mating Connector: Binder 99 5171 00 08**

(4) Sensor Connector: Binder 09 0132 90 12 Mating Connector: Binder 99 5129 00 12**









ENVIRONMENT:

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

ITEM #'S

***Optional

- 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**

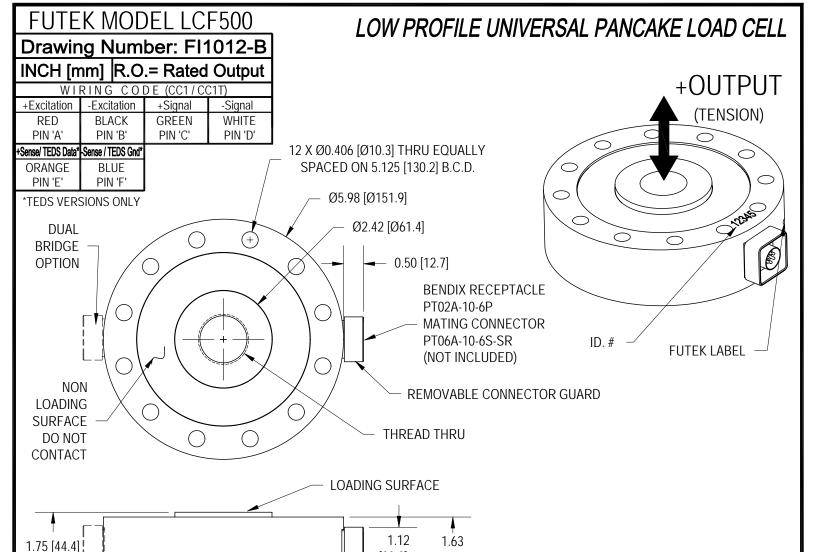


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CAGE CODE # 1X8M6

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INTERNET: http://www.futek.com



[28.3] sq

SUPPORT

OUTER RING

[41.4]

SPECIFICATIONS:

DO NOT

APPLY LOAD ON COVER

RATED OUTPUT 4 mV/V nom. 150% of R.O. SAFE OVERLOAD ZERO BALANCE ±1% of R.O. 20 MAX EXCITATION (VDC OR VAC) 350 Ω nom **BRIDGE RESISTANCE** ±0.1% of R.O. **NONLINEARITY HYSTERESIS** ±0.2% of R.O. **NONREPEATABILITY** ±0.02% of R.O. ±0.02% of LOAD CREEP

 TEMP. SHIFT ZERO
 ±0.001% of R.O./°F [0.0018% of R.O./°C]

 TEMP. SHIFT SPAN
 ±0.002% of LOAD/°F [0.0036% of LOAD/°C]

.33 [109.98]

COMPENSATED TEMP. 60 to 160°F [15 to 72°C]

OPERATING TEMP. -60 to 200°F [-50 to 93°C]

 MATERIAL
 17-4PH S.S.

 WEIGHT
 9 lb [4.1 kg]

DEFLECTION 0.002 to 0.005 [0.05 to 0.13] nom.

CONNECTOR: 6 Pin BENDIX Receptacle (PT02A-10-6P)
ACCESSORIES AND RELATED INSTRUMENTS AVAILABLE

CALIBRATION (STD) 5 pt. COMPRESSION; 30 KΩ SHUNT CAL. VALUE

CALIBRATION TEST EXCITATION 10 VDC

Stock #	CAPACITY KIb kN		THREAD	TEDS	DUAL BRIDGE
FSH02669	25	111	1 1/4 -12		
FSH02687				Х	
FSH03010					Х
FSH03014				Х	Х
FSH02897			M33 X 2		
FSH02935				Х	
FSH03000					Х
FSH03012				Х	Х
FSH02642	50	222	1 1/4 -12		
FSH02689				Х	
FSH03009					Х
FSH03013				X	Х
FSH02898			M33 X 2		
FSH02968				Х	
FSH02999					Х
FSH03011				Х	Х

REFER TO LCF505 FOR TENSION BASE VERSION



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