

MODEL IHH500

Intelligent Digital Handheld Display

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 ± 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:

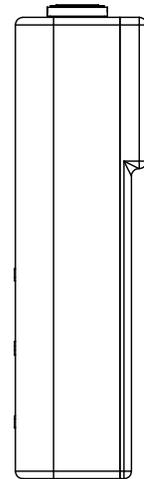
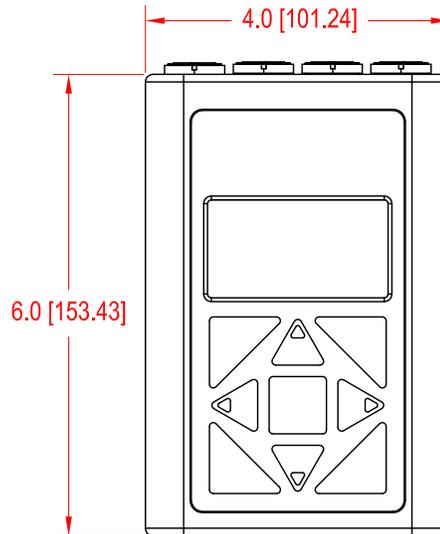
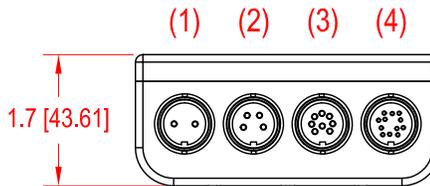
- Input: 100-240 VAC - 0.5 A 50/60 Hz
- Output: 12 VDC - 1.2 A

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

