FUTEK MODEL USB320 ITEM # SEE CHART BELOW

EXTERNAL USB KIT (AMPLIFIED INPUT)

CE RSHS

Drawing Number: FI1336-B SPS= Samples Per Second

INCH [mm]

FEATURES:

- USB 2.0 Communication Link
- USB Bus- Powered (5V)
- Input/Output Short Circuit Protection
- Streaming ASCII Output
- Green LED Indicator: USB Power
- Blinking Blue LED Indicator (10 Hz): Module Auto-Calibration
- Blinking Blue LED Indicator (1 Hz): Module Normal Operation
- Red LED Indicator: USB Data Link

ENVIRONMENT:

- Operating Temperature: -13°F to 185°F [-25°C to 85°C]
- Storage Temperature: -40°F to 257°F [-40°C to 125°C]

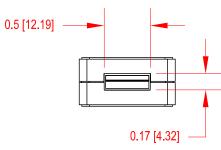
SPECIFICATIONS:

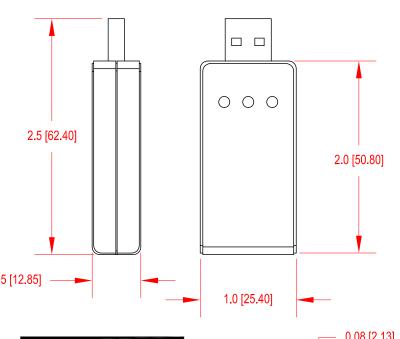
- Power Output:12 VDC ± 0.5 / 1 W
- Sampling Rate: up to 4800 SPS
- Internal Resolution: 24 bits
- Standard Input Range: ± 10 VDC (FSH03631: Voltage)
- Standard Input Range: 0-20 mA (FSH03634: Current)
- · Resolution (Noise free): See chart
- Nonlinearity: 0.001% of FSR
- Accuracy: 0.001% of FSR
- Output: Digital Packetized Data
- Integrated Digital Filter: 50 Hz/ 60 Hz rejection (100 dB)
- On Chip Memory: 1 Kilobyte
- Up to 16 Point Stored Calibration
- Weight: 10g

ACCESSORIES:

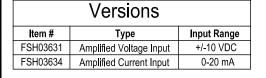
- SENSIT Software: FSH03189
 - 14 Day Trial Available to download on FUTEK website. 0.5 [12.85]
 - A license is required, per seat, after 14 days to benefit the features such as data logging, graphing, etc.
 - Trial version turns into basic read-out ONLY after 14 days and a product key is required to enable the features.







Sampling Rate (SPS)	Resolution (Noise free bits)	— 0.08 [2.13] —
10	16	<u></u>
100	15	
300	14.5	
1200	13.5	
2400	12.5	 — 0.42 [10.67]
4800	11.5	[]



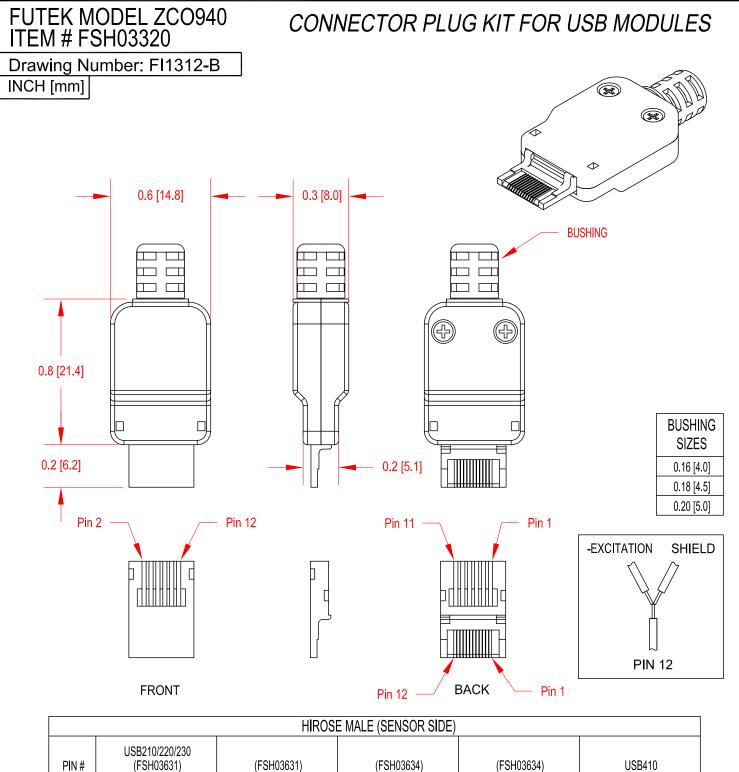


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INTERNET: http://www.futek.com



HIROSE MALE (SENSOR SIDE)							
PIN#	USB210/220/230 (FSH03631) USB320 4 WIRE VOLTAGE	(FSH03631) USB320 3 WIRE VOLTAGE	(FSH03634) USB320 3 WIRE CURRENT	(FSH03634) USB320 2 WIRE CURRENT	USB410		
1	+SIGNAL	+SIGNAL	+SIGNAL	+SIGNAL	+SIGNAL		
2	-SIGNAL	N/A	N/A	N/A	-SIGNAL		
5	N/A	N/A	N/A	N/A	P1- LEADING PULSE		
6	N/A	N/A	N/A	N/A	P2- LAGGING PULSE		
11	+EXCITATION	+EXCITATION	+EXCITATION	+EXCITATION	VCC/+EXCITATION		
12	-EXCITATION/ SHIELD*	-EXCITATION/ SHIELD*	-EXCITATION/ SHIELD*	N/A	GND/-EXCITATION/SHIELD*		

*USE Y CONNECTION ON PIN 12 TO MAKE CONNECTING THE -EXCITATION AND SHIELD EASIER



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