FUTEK MODEL QIA121

DRAWING NUMBER: FI1362-A

INCH [mm] R.O.= Rated Output

Item#: See Table 1

FEATURES

- USB 2.0 Communication Link
- USB Bus- Powered (5V)
- Input/Output Short Circuit Protection

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]

ACCESSORIES

- GOD04123: USB 2.0 Hi-Speed A/B Cable (Included)
- GOD00046: 6 Pin Bendix Mating Connector, PT06A-10-6S-SR (Included)

SPECIFICATIONS

Bandwidth See Table 1

Bipolar Output Software Selectable ± 5 or ± 10 VDC

Differential Input ± 0.5 - ± 4 mV/V

Bridge Excitation Software Selectable 5-10 VDC

Gain Adjustment Software Selectable
Offset Adjustment Software Selectable
Integrated Shunt Software Selectable

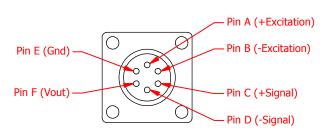
CMRR 120 db
Analog Noise Output < 10 mVp-p
Internal Resolution 24 bit
Noise Free Bits up to 17 bits

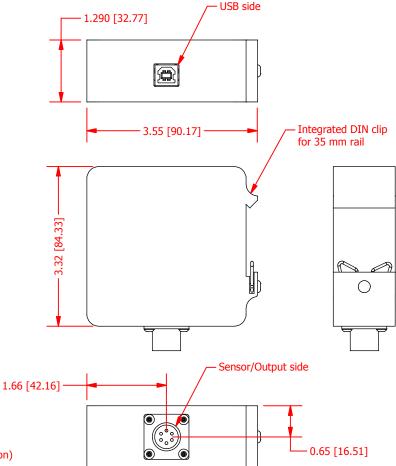
Sampling Rate Software Selectable (See Table 2)

ASCII Output Format 16 Character Hex Format Integrated Pigtail Filter 50/60 Hz Rejection

Table 1	
Item #	Bandwidth
QSH01779	60 Hz
QSH01780	15 kHz

Table 2	
Sampling Rate	Resolution (Noise Free Bits)
5	17
50	16
100	16
300	15.5
1200	15
2400	14
4800	13





CONNECTORS

High Speed & High Resolution Programmable

Analog Amplifier R&HS

Sensor Connector: Bendix PT02A10-6P Mating Connector: Bendix PT06A-10-6S-SR



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