

**FUTEK MODEL IDQ100**  
Item# FSH02832

**8 CHANNEL DATA ACQUISITION SYSTEM**

Drawing Number: FI1303			
INCH [mm]		R.O.= Rated Output	
WIRING CODE			
+Excitation	-Excitation	+Signal	-Signal
RED PIN 'A'	BLACK PIN 'B'	GREEN PIN 'C'	WHITE PIN 'D'

**FEATURES**

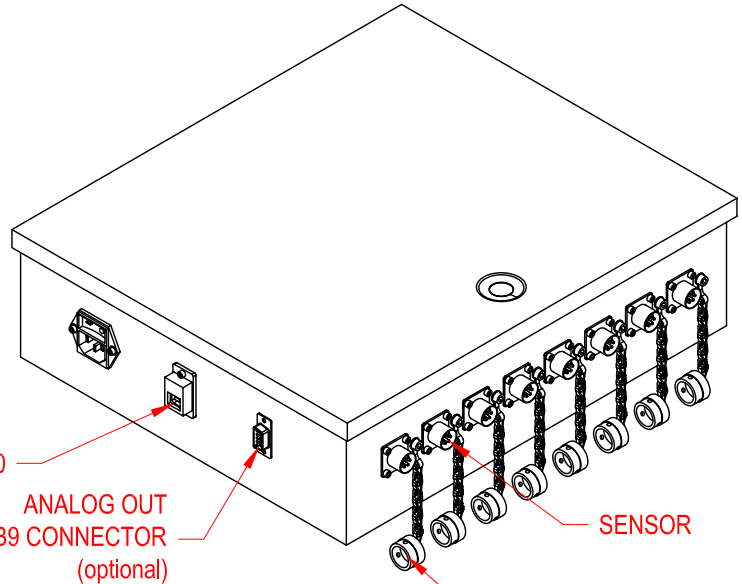
- Supports up to eight sensors with mV/V outputs
- Analog output option available
- Robust metal NEMA 1 enclosure
- 6 pin bendix connectors
- Dust cap covers

**ACCESSORIES**

- GOD00672: USB Cable (Included)
- GOD00682: Power Cord (Included)
- 8x GOD00046: 6 pin Bendix Mating Connector (Included)
- QSH00817: Software (Not Included)  
Software Sampling Rate
  - 10 Samples/sec (Standard version)
  - 200 kSamples/sec (Available upon request)

**OPTIONS**

- Analog Output: 0-20 mA



USB 2.0  
ANALOG OUT  
MALE DB9 CONNECTOR  
(optional)  
SENSOR  
RECEPTACLE  
PROTECTION CAP

MALE DB 9	
PIN #	WIRING CODE
1	CHANNEL 1
2	CHANNEL 2
3	CHANNEL 3
4	CHANNEL 4
5	CHANNEL 5
6	CHANNEL 6
7	CHANNEL 7
8	CHANNEL 8
9	GND

**SPECIFICATIONS**

- 16 bit resolution
- Hardware Sampling Rate: 1000 Samples/sec
- Compatible with USB 1.1 and USB 2.0
- Operating Temperature: 32°F to 122°F [0° to 50° C]
- Storage Temperature: -40°F to 158°F [-40° to 70° C]
- Input voltage: 100-240 VAC
- Up to 3 mV/V sensitivity range
- Output Impedance: Max 1200 Ohms
- Sensor Impedance: Min 120 Ohms

