



FEATURES

- 21k point data logging
- Bridge resistance measurement
- Keypad options (Track/Hold - Peak/Valley Reset - Unit - Tare/Gross-Shunt - Channel - Display-Menu)
- First peak/first valley feature
- User friendly navigation menu
- Shunt calibration
- Universal unit conversion
- 14 Sensor profile storage
- Supports 1451.4 standard (TEDS template 30 and 33)

SPECIFICATIONS

GENERAL

Data Logging	21k points
Profile Storage	14 profiles
Sampling Rate	5-4800 SPS
Internal Resolution	24 bits
Resolution (Noise Free)	See Chart on Page 2
Nonlinearity	± 0.005% of FSR
Integrated Digital Filter	50 Hz/60 Hz Rejection (120 dB)
Operating Temperature	-4 to 158°F (-20 to 70°C)
Storage Temperature	-22 to 176°F (-30 to 80°C)
Weight	1.9 lb (862 g)

STRAIN GAUGE mV/V INPUT

Bridge Excitation	Precision 5.000 VDC
Standard Input Range	± 4 mV/V (factory default)
Optional Input Range	Up to ± 500 mV/V
Min. Bridge Resistance	30 Ohm

VOLTAGE INPUT

Supply Voltage	24 VDC/5 VDC
Standard Input Range	±12 VDC; up to 30 mA

CURRENT INPUT

Supply Voltage	24 VDC/5 VDC
Standard Input Range	0-30 mA

OUTPUT

Analog Voltage	0-5 or ±5 VDC
Analog Current	0-20, 4-20, 0-25, 5-25 mA
Individual Relay Outputs	2
USB	Digital Packetized Data

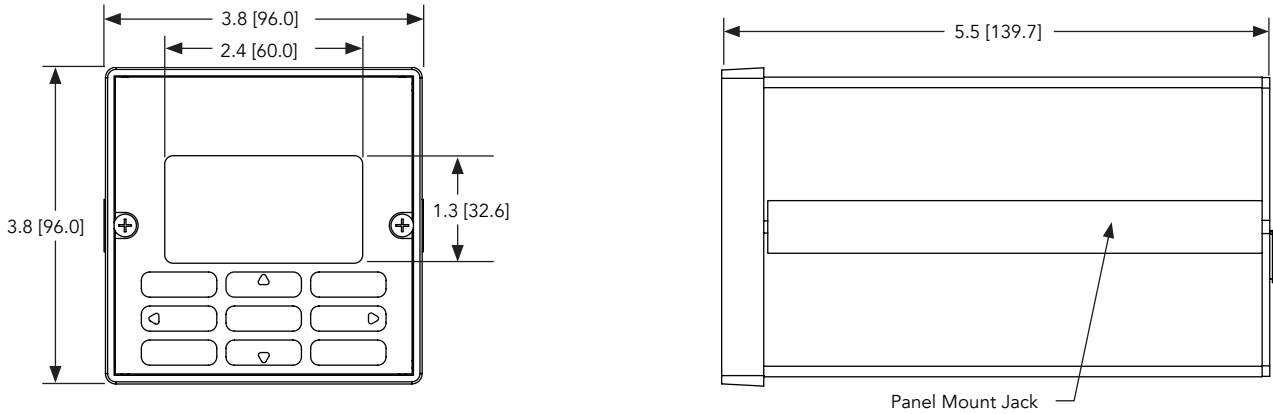
POWER ADAPTER

Input	90-264 VAC
Frequency	47-63 Hz
Input Current	0.35 A rms @ 120 VAC; 0.25 A @ 240 VAC
Output	15 VDC @ 1.2 A

CONFORMITY

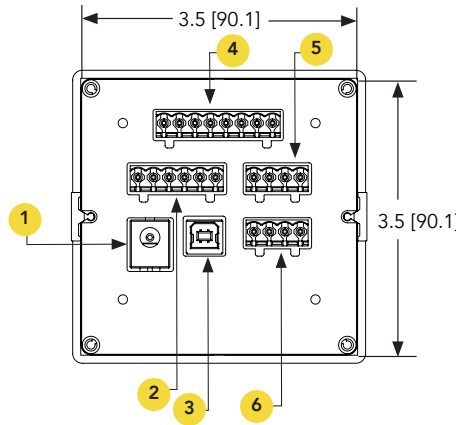
RoHS	2011/65/EC
CE	EN 61326-1:2006

DIMENSIONS inches [mm]

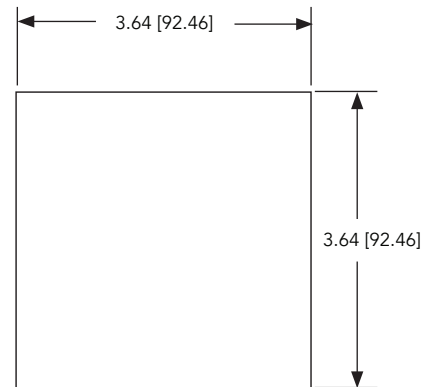


CONNECTORS

- 1 Input Power: 15 VDC \pm 0.75 @ 1.2 A
- 2 Strain Gauge Input
- 3 USB Type B Socket
- 4 Amplified Input
- 5 Relays
- 6 Analog Output



RECOMMENDED PANEL CUTOUT inches [mm]

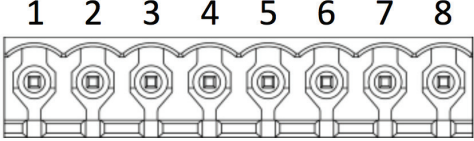


SAMPLING RATE

SAMPLES PER SECOND (SPS)	mV/V RESOLUTION	mA AND VDC INPUT RESOLUTION
5	18.2	20.5
50	16.8	19.5
100	16.5	19.2
300	16.0	18.2
1200	14.8	17.0
2400	13.9	16.0
4800	13.9	16.0

CONNECTORS & WIRING DIAGRAM

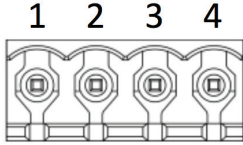
AMPLIFIED INPUT

PIN	SYMBOL	DESCRIPTION	DIAGRAM
1	G	Isolated Ground/Shield	
2	G	Isolated Ground/Shield	
3	24V OUT	24 VDC Output	
4	5V OUT	5 VDC Output	
5	-V	- Amplified Input	
6	+V	+ Amplified Input	
7	PLEAD	N/A	
8	PLAG	N/A	

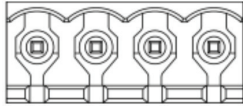
STRAIN GAUGE INPUT

PIN	SYMBOL	DESCRIPTION	DIAGRAM
1	G	Ground/Shield	
2	TEDS	TEDS Data	
3	-S	-Signal	
4	+S	+Signal	
5	-E	-Excitation	
6	+E	+Excitation	

RELAYS

PIN	SYMBOL	DESCRIPTION	DIAGRAM
1	-R2	Solid State Relay 2	
2	+R2	Solid State Relay 2	
3	-R1	Solid State Relay 1	
4	+R1	Solid State Relay 1	

ANALOG OUTPUT

PIN	SYMBOL	DESCRIPTION	DIAGRAM
1	-VOUT	Voltage Output (-)	
2	+VOUT	Voltage Output (+)	
3	G	Ground (Current)	
4	IOUT	Current Output	

Note: Shield should only be connected on either sensor side or instrument side. If connected on instrument side use following directions. Connect shield to pin 1 or pin 2 of Amplified Input if sensor is amplified. Connect shield to pin 1 of Strain Gauge Input if sensor is strain gauge.

Drawing Number: FI1340-J

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RoHS



U.S. Manufacturer