

INF-USB3 SINGLE CHANNEL USB INTERFACE MODULE (U.S. & METRIC)

FEATURES & BENEFITS

- Easy USB connection to load and torque transducers
- Up to 5000 sample/second
- Graphing and logging software included
- 16-bit resolution
- Data logged into MS Excel compatible CSV file format
- Shunt calibration trigger via software
- Works with ± 3 mV/V, ± 4.5 mV/V ± 5 VDC, ± 10 VDC, 4-20 mA, 12 ± 8 mA and 5V TTL output transducers
- Environmentally sealed to IP67

SPECIFICATIONS

POWER		
Supply From USB		4-6 VDC \leq 350 mA
PERFORMANCE		
Measuring Rate:	Internal Sample Rate/sec	5000
Temperature Drift	$^{\circ}$ C	4 counts/(+10)
	$^{\circ}$ F	4 counts/(+50)
Nonlinearity – %		0.1
Accuracy – %		0.1
Zero Point – counts		0
ENVIRONMENTAL		
Nominal Temperature Range	$^{\circ}$ C	+10 to +40
	$^{\circ}$ F	+50 to +104
Operating Temperature Range	$^{\circ}$ C	0 to +50
	$^{\circ}$ F	+32 to +122
Storage Temperature Range	$^{\circ}$ C	-10 to +70
	$^{\circ}$ F	+14 to +158
ENVIRONMENTAL		
Material		Aluminum

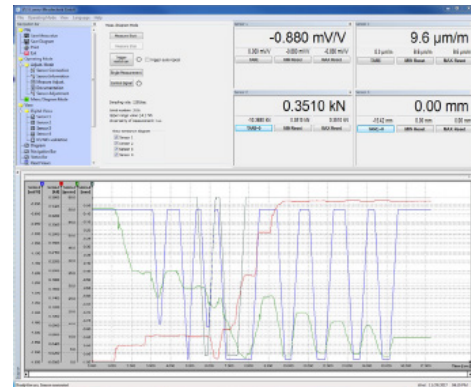
U.S. dimensions and capacities are provided for conversion only. Standard products have International System of Units (SI) capacities and dimensions.

STANDARD CONFIGURATION

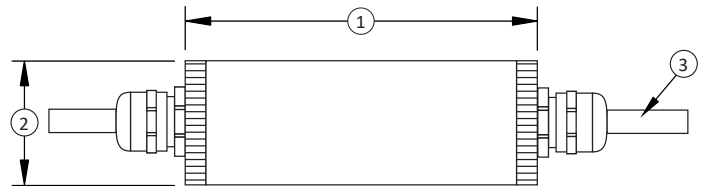


MODEL INF-USB3-C (Shown)

SOFTWARE



- Windows 7 - 10 32/64 Bit Dual-Core 1.8 GHz
- System includes USB connection to computer and software



DIMENSIONS

1		2		3	
mm	in	mm	in	mm	in
101.6	4.00	∅25.4	∅0.98	5	196.8

INPUT

AVAILABLE INPUT RANGES			EXCITATION TO SENSOR	INPUT RESISTANCE	AVAILABLE CONFIGURATIONS
Range	Input	Counts			Single Channel
A	± 5 V	$\pm 25,000$	12V, ≤ 80 mA	$> 1M\Omega$	INF-USB3-A
E	± 10 V	$\pm 25,000$	12V, ≤ 80 mA	$> 1M\Omega$	INF-USB3-E
G	12 ± 8 MA	20,000	12V, ≤ 80 mA	62 Ω	INF-USB3-G
B	4-20 mA	20,000	12V, ≤ 80 mA	62 Ω	INF-USB3-B
C	± 4.5 mV/V	$\pm 30,000$	4V, ≤ 20 mA	$> 1M\Omega$	INF-USB3-C
F	5V TTL	$\pm 32,511$	5V, ≤ 85 mA	62 Ω	INF-USB3-F