FORCE MEASUREMENT SOLUTIONS

DIG-USB & DIG-USB-OEM (US& METRIC)

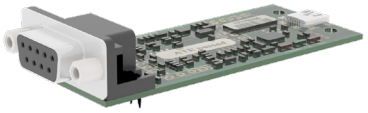
FEATURES & BENEFITS

- Digital I/O
- High stability
- Peak and valley recording
- OEM PCB version available
- Up to 500 samples/seconds
- Windows driver DLL's available
- Rugged ABS IP50 enclosure (DIG-USB)
- Works with mV/V force and torque devices
- Includes configuration, calibration, graphing, logging, and display software
- Simple and easy to connect to your strain gage sensor
- USB Interface – device appears as virtual com port

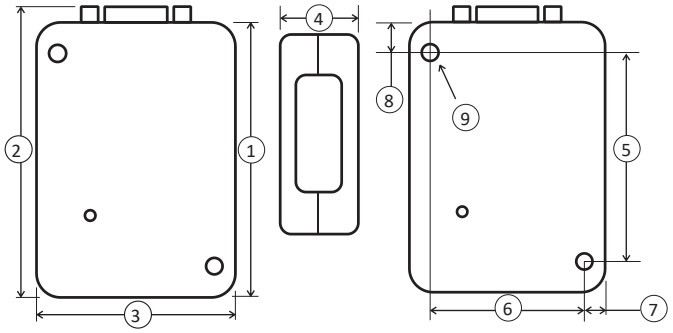
Digital USB output modules for load cells, torque transducers and other strain gaged devices

STANDARD CONFIGURATION

MODEL DIG-USB (Shown)



MODEL DIG-USB-OEM (Shown)



SPECIFICATIONS

POWER		
DIG-USB (from USB) – VDC, mA		5, 75
Strain Gage Excitation System		4 wire
PERFORMANCE		
Sample Rate / sec.		500
Data Transmission Rate – kbps Max		460.8
Input Range – mV/V		+/-4.5
Nonlinearity before Linearization – % FS Max		0.0025
Offset Temperature Stability – ppm FS Max		160
Gain Temperature Stability – ppm FS Max		300
Overall Resolution		16 Million
Res @ 1Hz Readings (Noise Stable) Over 100s		200,000 Counts/Divs
Res @ 10Hz Readings (Noise Stable) Over 100s		120,000 Counts/Divs
Res @ 100Hz Readings (Noise Stable) Over 100s		50,000 Counts/Divs
Res @ 500Hz Readings (Noise Stable) Over 100s		18,000 Counts/Divs
Signal Filter		Dynamic recursive type user programmable
ENVIRONMENTAL		
Operating Temperature Range	°C	-40 to +85
	°F	-40 to +185
Storage Temperature Range	°C	-40 to +85
	°F	-40 to +185
Material		
USB to Micro USB Cache	m	1.5
	ft	5

DIMENSIONS

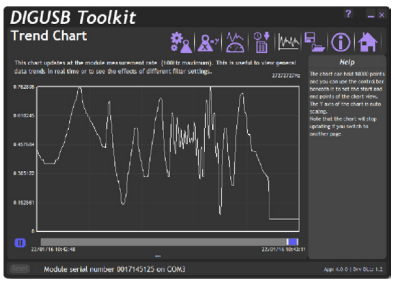
See Drawing	1	2	3	4	5	6	7	8	9
mm	70.5	74.5	51.0	20.0	54.5	40	4	8	Ø 4.2
in	2.78	2.93	2.01	0.79	2.15	1.57	0.16	0.31	Ø 0.17

OPTIONS

- DIG-USB (with case)
- DIG-USB-OEM (without case)
- DIN Rail Mount Kit

SOFTWARE

- XP, Vista, Win 7, 8, 10



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