

Model DIG-USB and DIG-USB-OEM

Digital USB Output Modules for Load Cells, Torque Transducers and other Strain Gaged Devices

- 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



DIG-USB



DIG-USB-OEM

SPECIFICATIONS

POWER	
DIG-USB (from USB)	5 VDC, 75 mA
Strain Gage Excitation System	4 wire
PERFORMANCE	
Sample Rate	500/sec
Data Transmission Rate	460.8 kbps Max
Input Range	+/-4.5 mV/V
Nonlinearity before Linearization	0.0025% FS Max
Offset Temperature Stability	160 ppm FS Max
Gain Temperature Stability	300 ppm FS Max
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
Operating Temperature Range	-40 to +85 C
Storage Temperature Range	-40 to +85 C
Software	XP, Vista, Win 7, Win 8, Win 10
Dimensions for DIG-USB	71mm x 51mm x 20mm
Dimensions for DIG-USB-OEM	73mm x 31mm x 15.3mm
USB to Micro USB Cache	1.5 meters

BENEFITS

- Simple and easy to connect to your Strain Gage Sensor
- USB Interface – device appears as virtual com port

OPTIONS

- DIG-USB (with case)
- DIG-USB-OEM (without case)