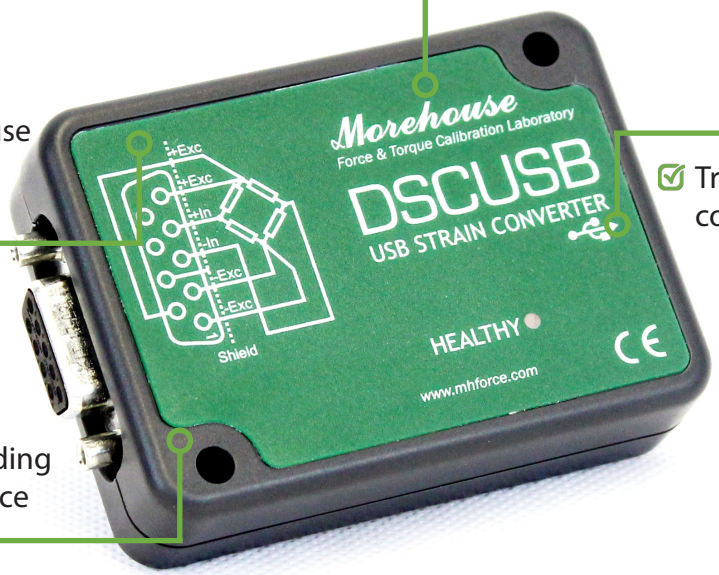
- Compact, high performance digital indicator for load cells
- Compatible with Morehouse Calibration software (FREE software)
- Transfers load cell output to a computer through USB
- High stability providing superior performance



Standard Features

- Compact, lightweight, and digitally stable design
- Simple connection to the load cell, and a computer USB port for data transfer and interpolation
- Compatible with FREE Morehouse Calibration software
- ASTM E74 coefficients can be used with the software to achieve maximum linearization of the system
- rugged ABS IP50 enclosure for all environments
- Suitable for calibration of load cells, testing machines, and other force or torque systems

** NOTE: Morehouse DSC-USB system requires a computer to get powered and display load or torque values.

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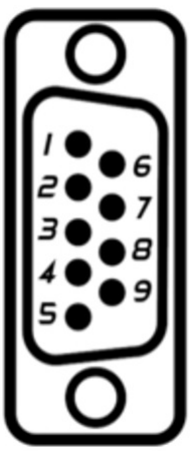
Technical Specifications

Specifications	Load Cell Indicator Model: DSC-USB
Input	
Non-Linearity	± 0.005 % FS
Load Cell Excitation	5 VDC (± 5 %)
Load Cell Drive Capability	80 to 5000 Ω
Load Cell Input Range	± 3 mV/V
Electrical	
Supply Voltage Range	4.25 to 5.5 VDC (through USB)
Average Operation Current (for 350 Ω LC)	68 mA
Data Transmission Rate	2.4 to 460.8 kbps
Maximum Output Cable Length	16.5 ft (5 m)
Internal Resolution	16 Million counts
Resolution @ 1Hz Readings (Noise Stable) over 100s	200,000 counts
Resolution @ 10Hz Readings (Noise Stable) over 100s	120,000 counts
Resolution @ 100Hz Readings (Noise Stable) over 100s	50,000 counts
Resolution @ 500Hz Readings (Noise Stable) over 100s	18,000 counts
Signal Filter	Dynamic recursive
Environmental	
Storage Temperature	-40 to 185°F (-40 to 85°C)
Operating Temperature	40 to 185°F (-40 to 85°C)
Relative Humidity	95% maximum non-condensing
Temperature Effect on Zero Stability	0.02 % Rdg /100°F
Temperature Effect on Sensitivity Stability	0.06 % Rdg /100°F
Zero Stability with Time	0.016 % FS
Sensitivity Stability with Time	0.030 % FS
IP Rating	IP50
Dimensions	
Height x Depth x Width	2.0" H, 0.78" D, 2.79" W
Weight	1.5 oz (41 g)

Wiring



Sensor Connection	
Pin	Description
Pin 1	Sense -
Pin 2	Excitation -
Pin 3	Signal -
Pin 4	Signal +
Pin 5	Excitation +
Pin 6	Sense +
Pin 7	Shield