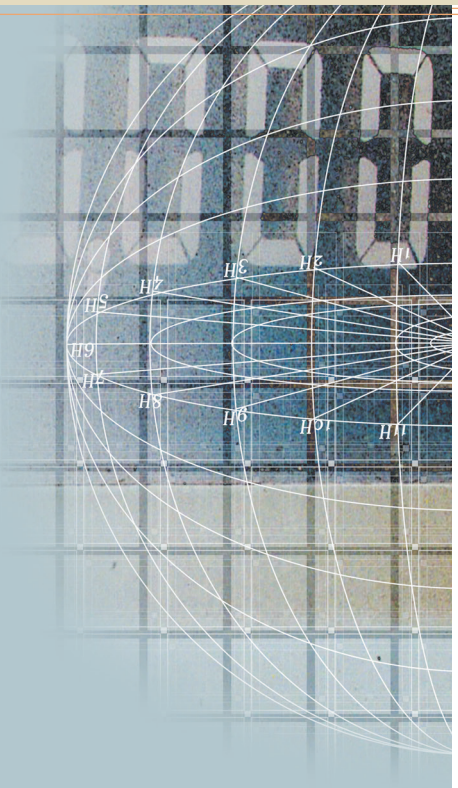


The DSCUSB provides USB plug-and-play capability to any strain gauged extensometer. They are useful when you wish to acquire data directly to your computer without the need for a controller.

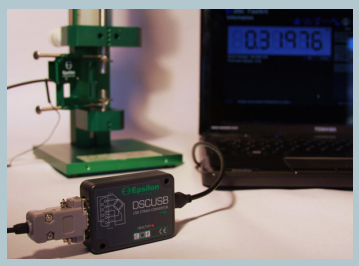
Model DSCUSB Digital Extensometer Interface

Provides an inexpensive solution for digitally recording extensometer output.

The DSCUSB is a signal conditioner that provides a digital interface to a computer via USB. This allows direct data capture without the need for additional acquisition electronics or an input channel on your controller. Calibration of an extensometer is handled within the DSCUSB with up to 7 linearization points and output readings in units of mV/V, mm, or inches. The simple software interface displays the current value as well as providing a trend chart and data logging capabilities.

If you wish to interface the DSCUSB with your existing software solution, the DSCUSB can be controlled using a set of ASCII commands through its virtual COM port.

A USB cable is included with the DSCUSB.



Model DSCUSB with monitor

Specifications

- Power supply: USB powered (5V)
- Excitation voltage: 5V
- Temperature stability: <5ppm/°C
- A/D resolution: 16 Million counts (24 bits)
- Effective resolution: 200,000 counts @ 1Hz; 120,000 counts @ 10Hz; 50,000 counts @ 100Hz
- Data rate: 1-200 samples/second, 9 settings
- Selectable low pass filter
- Capture software included
- ASCII command set available for custom software development
- Multiple DSCUSBs may be used simultaneously for multiple channel measurements

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