

EL/MEMS Data Recorder

Applications

The EL/MEMS Data Recorder is a readout for EL SC sensors and MEMS tilt sensors.

Simple to operate, the Data Recorder stores up to 6000 readings, and can transfer the readings to a PC for processing.

Operation

The Data Recorder has just three controls: an on/off switch, an Enter key, and a Change key.

To take a reading, switch on the power, connect the sensor, and press the Enter key. The reading appears.

To save a reading, press Enter twice more, once to confirm a sensor ID, and once to record the reading.

Settings: Change settings with the Change key. You can set the display to show uniaxial or biaxial readings. You can also set the readout to show readings from multiplexed IPI sensors. The Change key also lets you set a sensor ID when you save a reading.

Transferring Readings to a PC:

Connect the Recorder to your PC and start the Manager program. Specify a file name and location for the readings, and two mouse clicks later, the data is on your PC, ready for your spreadsheet program.



Advantages

Simple Operation: Learn how to use the Data Recorder in just a few minutes. Most operations are performed by pressing a single key. Data retrieval is just as easy.

Reliable: Readings are stored in secure, non-volatile memory that keeps data even when batteries are fully discharged.

Spreadsheet Friendly: The Logger Manager program retrieves readings and stores them in ASCII file, ready to open and process with your spreadsheet program.

No Setup: The Data Recorder is always ready. There are no sensor lists or calibration factors to load.

No Special Parts: The Data Recorder uses standard cables and batteries. Built-in terminals eliminate the need for a jumper cable. The serial interface cable can be replaced at any computer store, and the standard D-cell batteries eliminate the need for a charger.