Electro Standards Laboratories
ADVANCED SYSTEMS DESIGN & SERVICES

CellView Multi-Unit / Multi-Display GUI Software

For CellMite® and CellMite® LVDT Digital Signal Conditioners

The CellView Multi-Unit / Multi-Display Graphical User Interface (GUI) application communicates with up to eight precision CellMite® digitizing signal conditioners that are designed to amplify, filter, and linearize the output of a strain gage sensor. CellView Multi-Unit / Multi-Display presents the user with a graphical user interface to monitor incoming load data from the CellMite® unit and to visualize and refine the data.
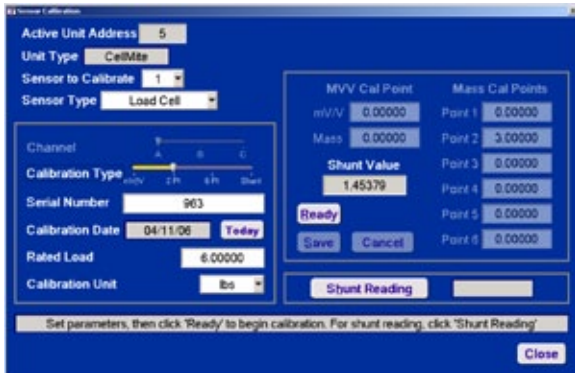
CellView Multi-Unit / Multi-Display GUI Software Features:

- User interface connects to up to eight pre-addressed CellMite® or CellMite® LVDT units.

- Units can hold calibration data for up to three separate sensors.

- User interface guides user through sensor calibrations including MilliVolt per Volt, 2 Point Mass, 6 Point Mass and, in the case of a CellMite® unit, Shunt Calibrations.

- User interface allows creation of up to eight independent displays of data from the various connected units. Displays are easily created and removed from the Main panel.

- Each display relates to a specific sensor. The user selects the data source for the display (i.e. track, peak, or valley), the unit of data to display, whether to record the data from that display, and the display name.

- User can tare and reset peak and valley for the sensor from the displays.

- User can set filter level of the sensor via the unit, and/or further filter data as it enters the GUI software.

- User may manually start and stop tests or use one of a variety of methods to automate the process.

- Tests may be run in segments where each segment has a different data frequency.

- User can save and load CellMite®, Sensor, and Test setup information.

- User may save data and/or test information for use with MS Excel and other spread sheets. Data may be saved with header information, or as a data-only file.

- User can refine data as it comes into the Unit by applying a 5th order polynomial to the data and creating a name for the resulting new unit of measure.

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CellView Multi-Unit / Multi-Display GUI - *The Intuitive Software!*

Calibrate all three sensors on the 'Active Unit Address' independently by utilizing the 'Sensor to Calibrate' selector. The 4 calibration options are: mV/V, 2-Pt, 6-Pt and Shunt.

Manually Controlled Tests - Click 'Start' & 'Stop' buttons. Event Trigger Tests include Start Condition, Wait Condition, and Stop Condition.

The Operation Mode has 3 options: Offline, Setup, and Ready. Use Offline when changing CellMite® units. Sensor, CellMite®, or Test setup functions are done in Setup mode. Ready Mode begins data acquisition.

Use the CellMite® Setup panel to Edit, Save, Load, and Activate parameters within the CellMite® unit. Parameters include CellMite® name, the Analog Output Control for the unit, and the Temperature Compensation settings.

System Requirements

	Minimum	Recommended
Processors	Pentium IV 400 Mhz	Pentium IV 400 Mhz
Memory	256 M bytes	512 M bytes
Disk Space	50 MB	50 MB
Video	Local Bus	Accelerated Bus
Screen Resolution	1024 x 768	1024 x 768 Large Fonts
Windows Version	Windows 2000	Windows XP
Drive	CD-ROM	CD-ROM
Printer	Windows Compatible	Epson Stylus