**Electro Standards Laboratories**
ADVANCED SYSTEMS DESIGN & SERVICES

**NEW!** • TEDS-Tag®

SPECIFICATIONS
Model 4326B-GUI CellMite® (Cat. No. 314326)
Software sold separately, Select from:
CellView Lite GUI (Cat. No. 514569)
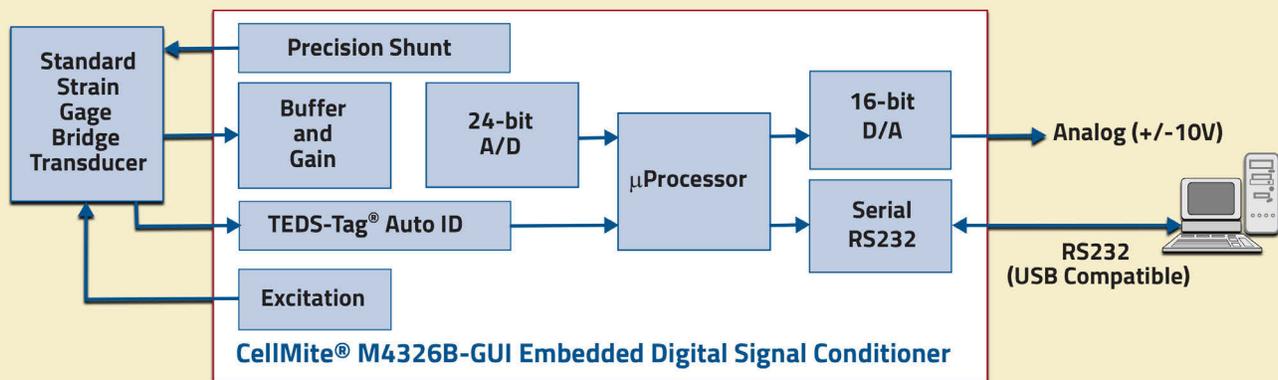CellView Multi-Display GUI (Cat. No. 514424)
Software Drivers (Cat. No. 514864)

# CellMite® Model 4326B-GUI Embedded Digital Signal Conditioner With TEDS-Tag® Auto Identification

## Features:

- Single Channel (Model 4326B-GUI)
- 2-pt mV/V Calibration
- 6-pt Linearization Calibration
- Scalable +/- 10V Analog Output
- 16-Bit Analog Output
- Direct to PC with RS232 Data
- 24 Bit Resolution
- Multiple Filter Selections
- Storage for Three Calibrated Transducers
- Precision Shunt
- Remote Sense Excitation

- Addressable for Serial Network
- Tare, Peak, Valley.
- Unit Support: In, Cm, mm, %, Lb, Kg, N, mV/V, User Defined.
- TEDS-Tag® Auto Identification
- Power Supplies Internally Isolated
- Graphical User Interfaces (GUI) and Software Drivers sold separately. Select from:
    - CellView Lite GUI ( Cat. No. 514569)
    - CellView Multi-Display GUI (Cat. No. 514424)
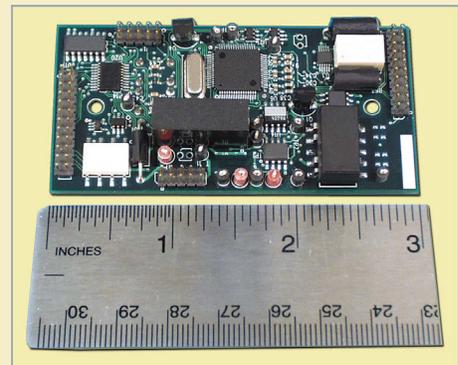    - Software Drivers (Cat. No. 514864)



**CellMite® Transforms Standard Transducer into a Smart Cell!**

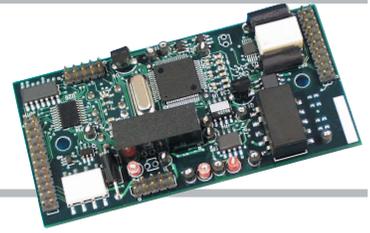CellMite® M4326B-GUI Embedded Digital Signal Conditioner

CellMite® is a compact digital signal conditioner unit that can be directly integrated into a standard strain gage transducer such as a load cell or extensometer. CellMite® simultaneously generates a serial digital output for connection to a PC as well as a +/- 10V analog output.

CellMite® compensates for transducer nonlinearities using its integrated 6-point calibration capability not found in standard signal conditioners. Its multi-drop RS232 serial port, unit addressing capabilities, and simple command set allow for connection of multiple units in a serial network configuration. The TEDS-Tag® auto identification feature with integrated electronic tags allows the CellMite® to automatically select the correct sensor calibration and analog output for scaling for the connected transducer.

CellMite® features a nonvolatile memory for parameter and calibration storage, the ability to select between three transducers, multi-point and mV/V calibration, remote sense excitation, and a 24-bit internal resolution with 16-bit analog output.

## Electro Standards Laboratories
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# CellMite® Model 4326B-GUI Specifications

**Excitation:**
Voltage: 5 VDC. Nom. Load 350 Ω.

**Operation:**
Internal Resolution: 24-bit.
Input Range: +/-5.5 mV/V.
Conversion Rate: 60 per second.
Error: 0.01%, +/- 1 count.
Precision Shunt 60K.

**Outputs:**
Analog: 16-bit, Scalable, +/-10V.
Serial Data: Multi-drop RS-232.

**Mechanical:**
Size: 3" x 1.5" x 0.8".
Weight: 0.9 oz. (25.5g).

**Power:**
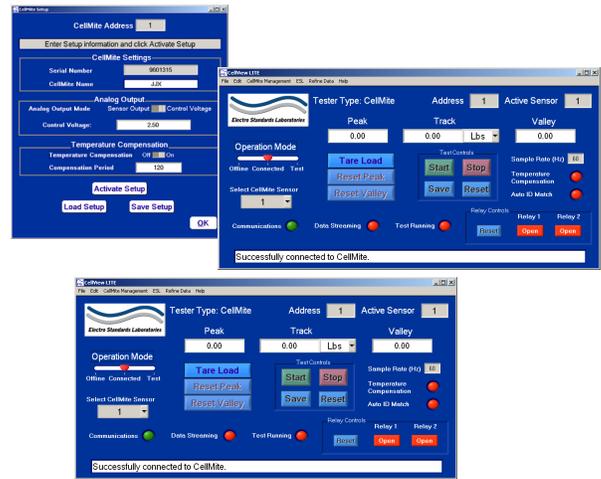5 VDC, 150mA.

**Included Items:**
Board Connector Kit
Operational Manual on CD ROM.

## CellView Lite GUI Software (Cat. No. 514569)

**Features:**
- Turnkey data acquisition system
- Save data, calibration, and sensor test information to Excel spreadsheets
- Guides user through sensor calibration
- Guides user through adding/removing networked CellMite® and CellMite® LVDT units.
- Ability to select any networked Model 4326B unit
- Ability to individually name Model 4326B units
- Tare and reset peak and valley for the sensor
- Save/Load the Model 4326B unit and sensor setup information
- Set output data with user defined 5th order polynomial function
- Setup a test to start and/or stop automatically
- Control Model 4326B solid state output relay switches
- User programmable analog output voltage range
- Units of In, Cm, mm, %, Lb, Kg, User Defined



## CellView Multi-Display GUI Software (Cat. No. 514424)

**Features:**
- Turnkey simultaneous data acquisition system for networked CellMite® and CellMite® LVDT units
- Supports mix and match of CellMite® and CellMite® LVDT units on network
- Ability to define 8 simultaneous data displays from multiple channels on mulitple units
- Save data, calibration, and sensor test information to Excel spreadsheets for all networked units
- Guide user through sensor calibrations
- Guides user through adding/removing networked CellMite® and CellMite® LVDT units
- Ability to select and name any networked units
- Tare and reset peak and valley for the sensors
- Save/Load units and sensor setup information
- Set ouput data with user defined 5th order polynomial function
- Setup a test to start and/or stop automatically with user selectable trigger events and delayed triggering
- Multi sample rate data acquisition via user definable data logging profile
- User programmable analog output voltage range for attached CellMite® and CellMite® LVDT units
- Units of In, Cm, mm, %, Lb, Kg, mV/V, and User Defined