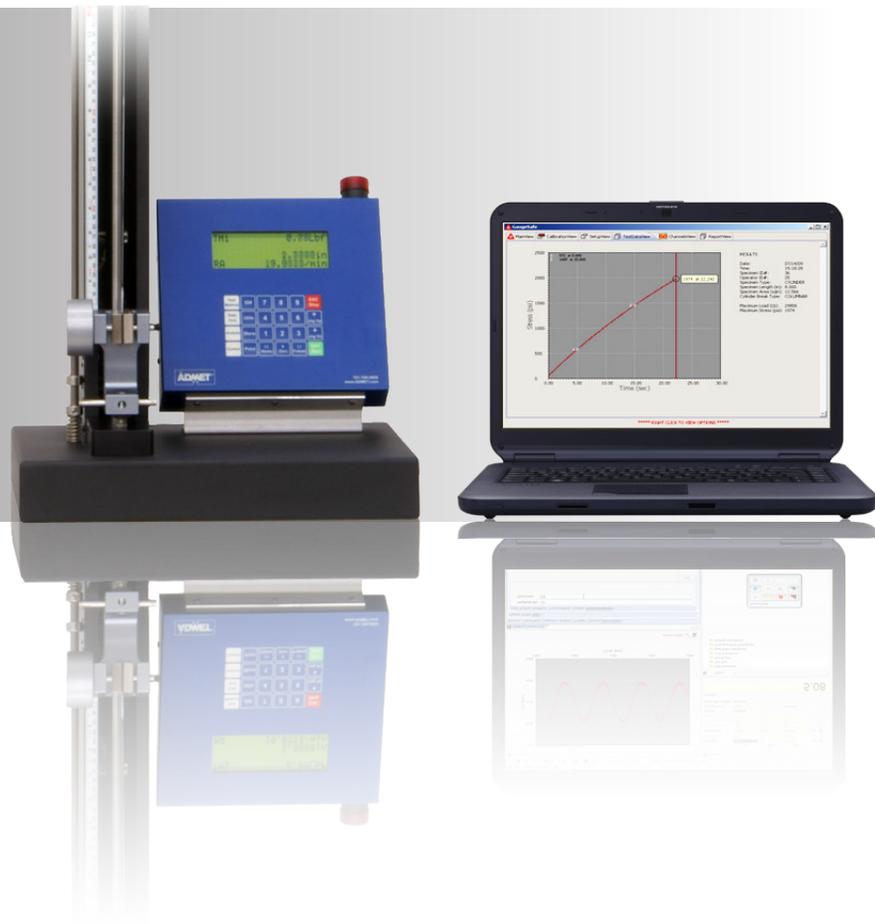


eP2 DA + GaugeSafe

System Brochure

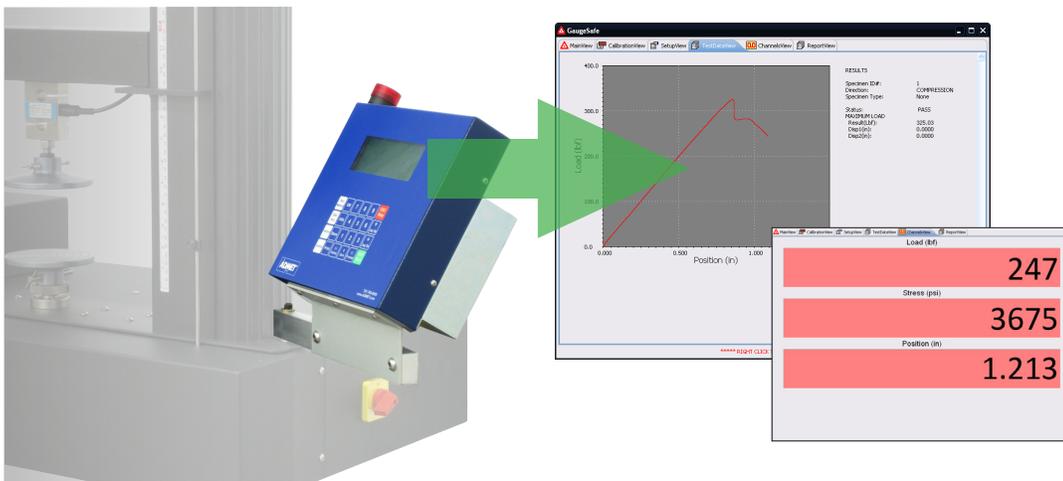


eP2 DA + GaugeSafe

Simplicity, Repeatability, and Accuracy.

A standalone presettable indicator that simplifies materials and product testing.

The eP2 DA (Data Acquisition) Indicator performs mechanical tests on materials, products and components. It is a presettable unit that operates both electromechanical and servo hydraulic testing systems. The eP2 can also be used to retrofit/upgrade virtually any manufactures testing machine regardless of age or machine type. It is a less expensive and easier to use alternative to PC based materials testing systems and is capable of acquiring data from tension, compression, bend and torsion tests. An optional axial strain input channel can be added for accommodating extensometry.



Combining the eP2 indicator with the PC based GaugeSafe software makes it easy to create and store unlimited number of test methods; save, export and print test results including stress vs. strain curves; import results and XY data into common spreadsheet and database programs for further analysis and reporting.

Features

- Indicate live load, live position, and position rate or load rate during the test and all active test results when the test finishes.
- Save and recall six test methods for accurate and repeatable testing.
- Automatic load cell recognition for up to 4 calibration tables. Each calibration table is capable of up to 5 calibration points for a piecewise linear fit for optimum accuracy.
- Password protected supervisor/operator modes allow test methods to be locked under password so they cannot be changed inadvertently.
- Selectable high and low limits for each test parameter enables pass/fail indication at test completion.
- Store up to 120 test results per test method to permanent memory. Test results include date, time, specimen ID#, specimen area, plus all calculated test parameters.
- Calculate high, low, mean and standard deviation for a group of tests.
- Calculate key test parameters such as maximum load, local maximum load, maximum stress, minimum load, average load, load at break, deflection at break, percent elongation, load at deflection, deflection at load, stiffness, energy, free height, static and kinetic coefficient of friction. Calculations are in accordance with ASTM and ISO testing standards.
- Use the Gauge Safe Software to upload to/download from a remote computer test methods, calibration information, test results and XY data.
- Selectable log rates from 0.5 to 1,000 samples per second accommodates long and short term tests.
- Select between English, Metric and SI engineering units.
- Calibrate load and axial strain channels in accordance with ASTM E4 and E83 standards, respectively. Load accuracy exceeds ASTM E4 standards down to 1/200th load cell capacity.
- ADMET provides all calibration passwords for streamlining maintenance costs.

Test with Certainty.

eP2 DA + GaugeSafe

Simplicity, Repeatability, and Accuracy.

GaugeSafe Data Exchange Software

Unlock the power of the eP2 Indicator with GaugeSafe. GaugeSafe software comes in three different versions: GaugeSafe Basic, (included with the eP2), GaugeSafe Plus, GaugeSafe Live. The Windows 7/8/10 compatible program will communicate with your eP2 via a USB flash (thumb) drive or directly through the USB computer port.

Reporting

At test completion the eP2 will display calculated mechanical properties on the LCD. A pass/fail message based on user specified high/low limits is also included on the display. Users can setup the eP2 to automatically store the results to permanent memory; later the results can be transferred to a PC running ADMET's PC based GaugeSafe Software program. At test completion, the XY data can also be transferred to GaugeSafe for viewing or printing stress vs strain curves.

Single Test Reports

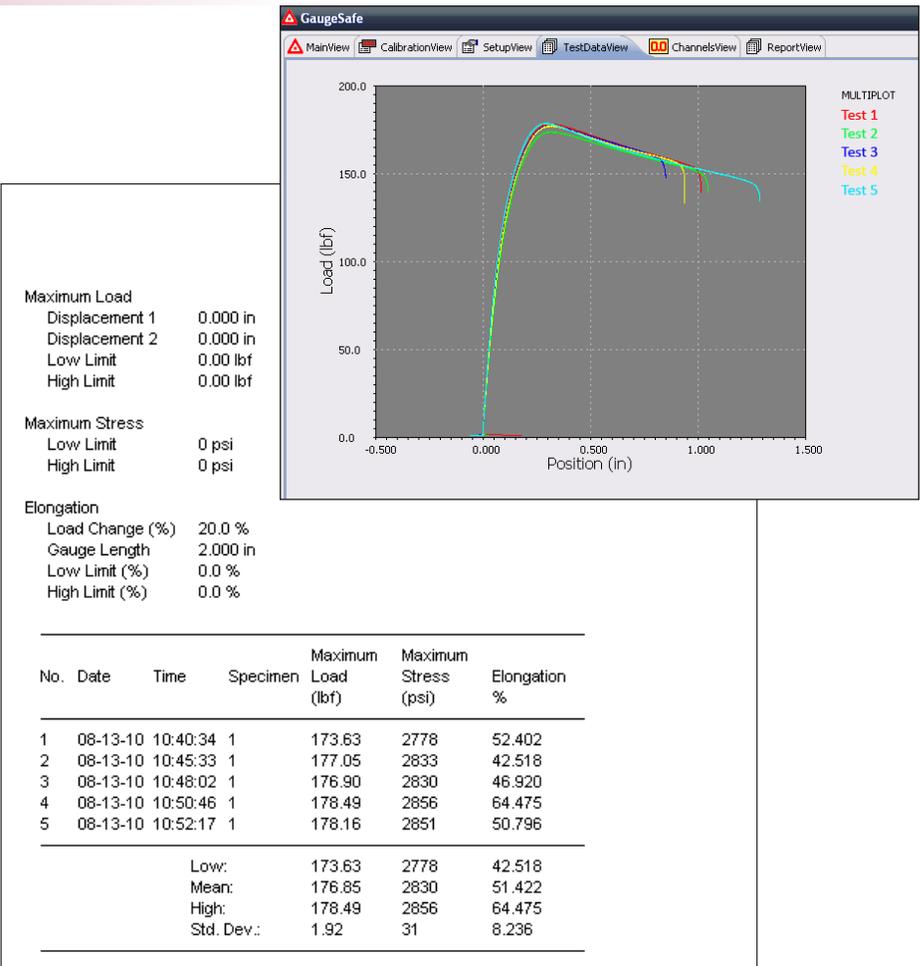
At test completion, upload raw test data from the eP2 into GaugeSafe for viewing of single test reports. Included in the report is an XY plot plus the calculated mechanical properties, specimen geometry and test parameters. Generate hardcopy printouts or .jpeg and .pdf file images. Export the raw test data in ASCII delimited format for further analysis in common spreadsheet programs.

Group Test Reports After saving the

test results from a group of like tests to permanent memory inside the eP2, upload the results to GaugeSafe. View the results including a statistical summary for each mechanical property in tabular form. Generate a hardcopy printout or .jpeg and .pdf image files. Export the results in ASCII delimited format for easy import into common spreadsheet and database programs.

Multi-Plot

Compare a group of like tests by plotting the stress vs strain curves for each test on the same set of graph axes. Generate a hardcopy printout or .jpeg and .pdf image



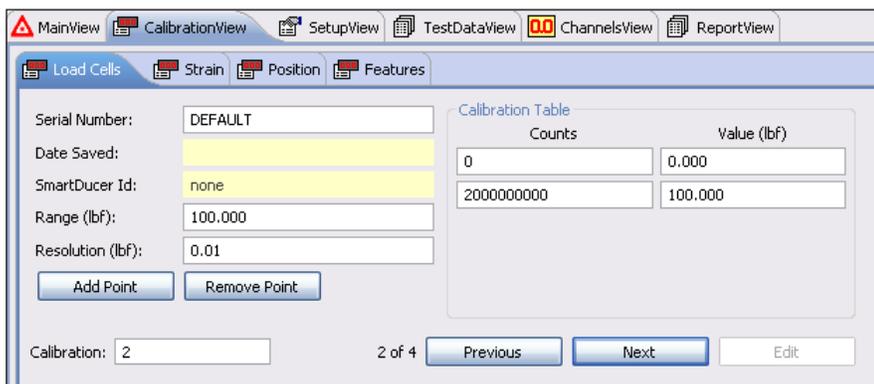
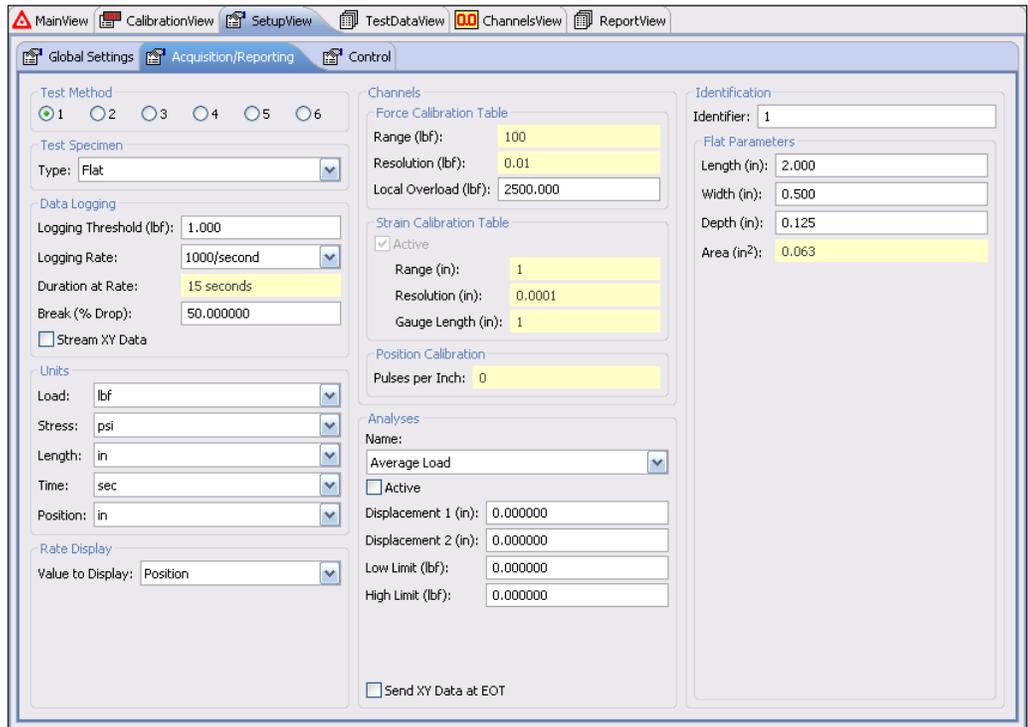
eP2 DA + GaugeSafe

Simplicity, Repeatability, and Accuracy.

GaugeSafe Software Cont.

Test Methods

Test methods define the type of test, how it is performed, what mechanical properties are calculated and how the results are displayed. Create, edit and store an unlimited number of test methods in GaugeSafe then upload the methods into the eP2 Digital Controller. This ensures like tests are performed the same way each time. Test methods can also be downloaded from the eP2 into GaugeSafe for archival and editing.



Force and Strain Calibrations

Keep calibrations safe and minimize potential downtime by downloading load cell and extensometer calibrations from the eP2 into GaugeSafe. Archive the calibration tables on the computer running GaugeSafe. Restore calibration tables in the eP2 by uploading them from GaugeSafe.

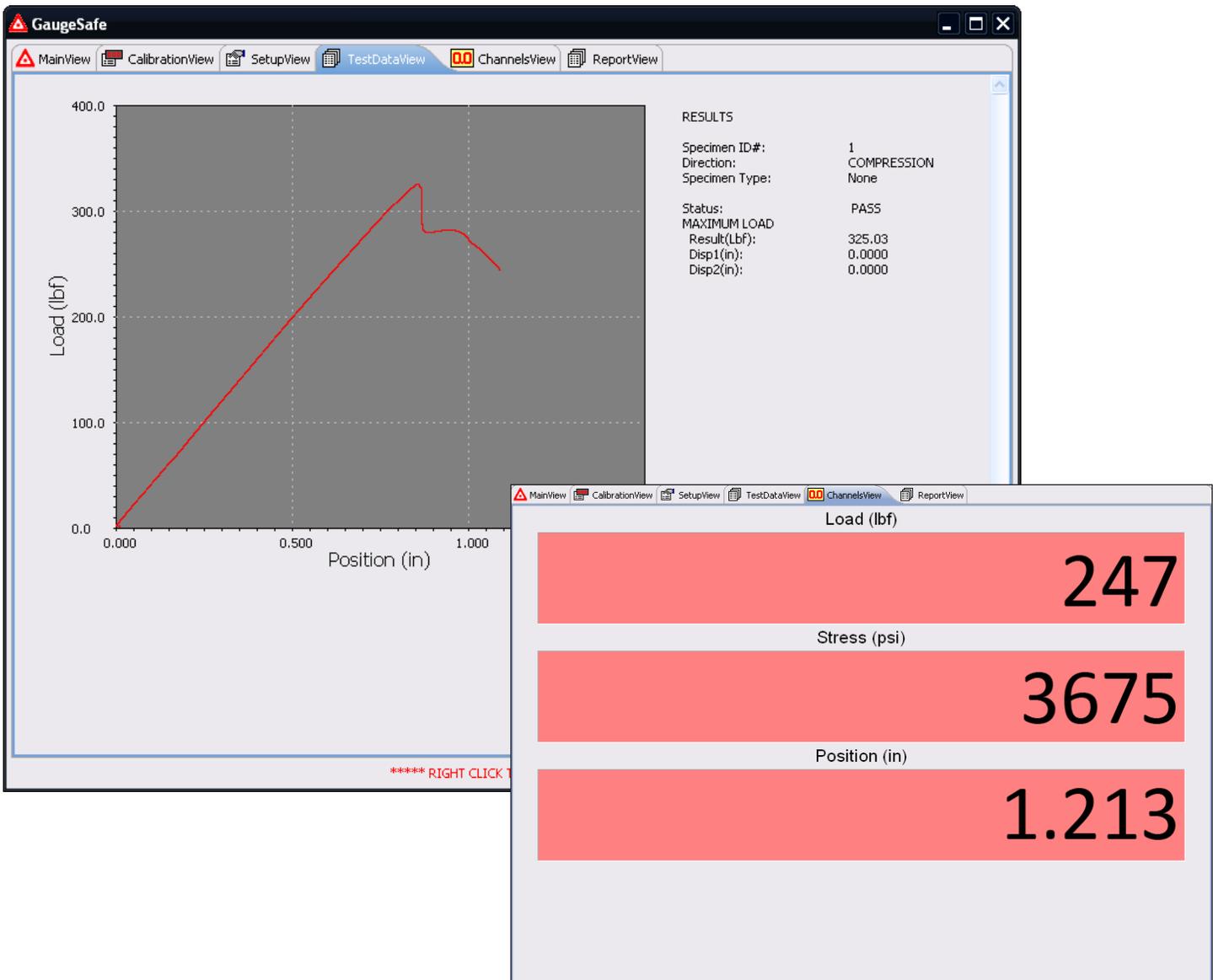
eP2 DA + GaugeSafe

Simplicity, Repeatability, and Accuracy.

GaugeSafe Software Cont.

Real-time XY Plot and Digital Readout (Option)

Activate the live data transfer feature in the eP2 Indicator and display in real-time stress vs. strain curves and live numerical load and strain values on your computer running GaugeSafe Live software.



eP2 DA + GaugeSafe

Simplicity, Repeatability, and Accuracy.

GaugeSafe Software Cont.

Multiple Supervisor/Operator Modes

GaugeSafe offers three levels of password protected access. The access levels relate to test methods, test results and raw XY data only. A separate and unique password is used for editing calibration data. The three access levels are:

View Only: The most restrictive access level will only allow the user to view test methods, results or XY plots.

View and Save: Allows the user to view, create, edit test methods plus manually save test methods, results and XY plots.

View, Save and Upload: Allows the user to view, create, edit test methods. Manually save test methods, results and XY plots. Upload test methods and calibrations into the eP2 Digital Controller.

GaugeSafe allows test methods, calibrations, test results and raw test data to be automatically stored when uploaded. Auto storing data is a fail-safe way to ensure that no test data is lost. The auto store functions are independent of access rights. Access rights and data storage are found in the Main tab.



Three versions of GaugeSafe are offered to meet your needs

Version	Basic	Plus	Live
Test Methods - Edit, Store, Upload/ Download	X	X	X
Calibrations - Edit, Store, Upload/ Download	X	X	X
Test Results - Store, View, Print, Export in ASCII delimited format	X	X	X
Raw Test Data - Store, Export in ASCII delimited format	X	X	X
XY Plots - View, Print, Export		X	X
Live XY Plot of force or stress vs. time or force or stress vs. strain or position.			X
Live Numeric Values (large font) of active channels plus stress.			X