

Gauge Buster Options



The Gauge Buster has grown into a powerful instrument. With it's 32-bit microprocessor, 24-bit A/D converter, optional second channel of digital encoder input and two line by 16 character display, there is little the Gauge Buster can't do. Below is a list of additional Gauge Buster products.

Gauge Buster LP - The Gauge Buster LP offers all of the features of the standard Gauge Buster plus the addition of a second digital encoder input for measuring piston/crosshead travel. During each test, the Gauge Buster records load, displacement, time data and can be configured to display piston/crosshead travel rate. After each test has completed, the recorded data (XY data and results) can be downloaded to a PC with ADMET's WinCOM/WinCOM Plus Data Communications Program for further review and analysis. The Gauge Buster LP is sometimes used for soil/asphalt compaction.

Gauge Buster Calibration - The Gauge Buster Calibration unit is combined with a load cell(s) and certified to ASTM E74 Class A standards. The Gauge Buster/load cell standard is then employed by service personnel to calibrate force on materials testing machines, presses and other load weighing equipment according to ASTM E4 standards. Gauge Buster Calibration can store up to 10 load cell calibrations with 15 points of linearization in each. It also comes with a remote pushbutton to freeze the current load and record it from the Gauge Buster display. An optional battery pack is available for applications where there is no power available in the field. A fully charged battery pack will enable the Gauge Buster to run for 10-12 hours.

Gauge Buster Recorder - Used to measure events over short durations (1-20 seconds). The recorder features an 8 KHz sampling rate and comes with a pushbutton to trigger the start of a recording. WinCOM Plus is used to view the load/stress vs. time curve on a computer. One use for the recorder is for calibrating soil/asphalt compaction machines according to California Test 104. When the CA 104 analysis is active, rise, dwell, release and cycle times are calculated and displayed on a stress vs. time graph generated from WinCOM Plus (see attached sheet). An optional second channel of digital encoder input can be added for generating load-displacement curves. It is also possible to save all recorded data in ASCII delimited format for further review and analysis in common spreadsheet programs.

Charpy Impact Machine Retrofit - A Gauge Buster and rotary encoder are installed on a Charpy Impact Machine. The upgraded system reports starting height, height of rise and absorbed energy. Angle vs. time data can also be downloaded to a computer with WinCOM Plus for further review and plotting.



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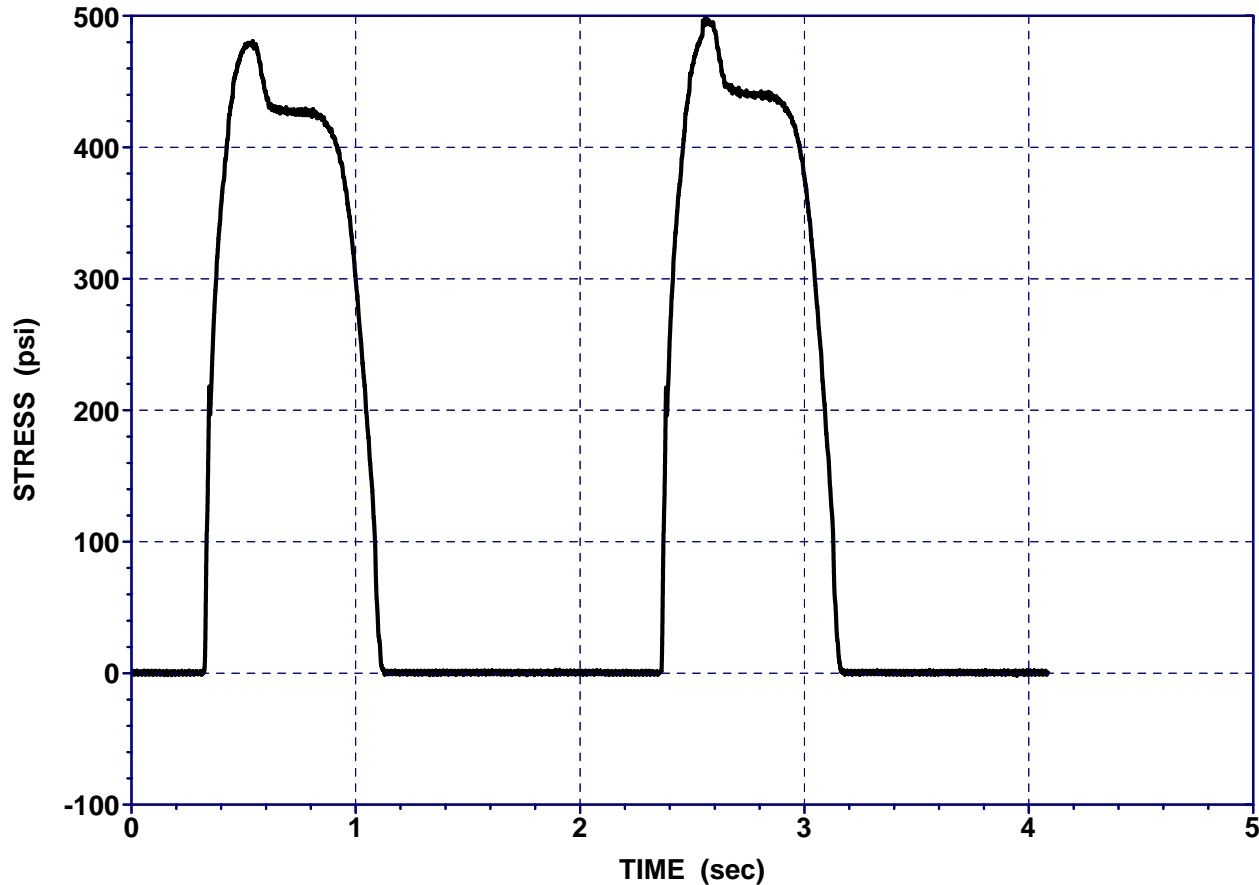
Gauge Buster Recorder - California Test 104 Compactor Calibration

www.ADMET.com

1-800-667-3220

Date: 02/24/03
Time: 10:00:19

Spec ID#: 29560
Area: 3.20 sqin



Peak Load	1597.0 lb
Peak Stress	499 psi
2.41 Mpa (350 psi) rise time	0.0476 sec
2.41 Mpa (350 psi) dwell time	0.6215 sec
2.41 Mpa (350 psi) release time	0.1282 sec
3.45 Mpa (500 psi) rise time	0.1047 sec
3.45 Mpa (500 psi) dwell time	0.2589 sec
3.45 Mpa (500 psi) release time	0.4325 sec
Cycle time	2.0367 sec