

Gauge Buster Recorder

**Small, Rugged, Captures Transient Waveforms
Over Short Time Durations.**



The Gauge Buster Recorder is ideally suited for capturing fast moving waveforms. It features one strain gage analog input for measuring force. An optional quadrature encoder input for measuring displacement is also available. ADMET's WinCom PLUS Data Communications Program is provided with the Gauge Buster Recorder so waveforms can be downloaded into a Windows based PC/laptop for quick viewing of force/stress vs. time or force/stress vs. displacement curves. WinCom PLUS also displays up to ten waveforms at one time on the same set of graph axis and can save all recorded data in ASCII delimited format for further review and analysis in common spreadsheet programs.

Multiple Uses

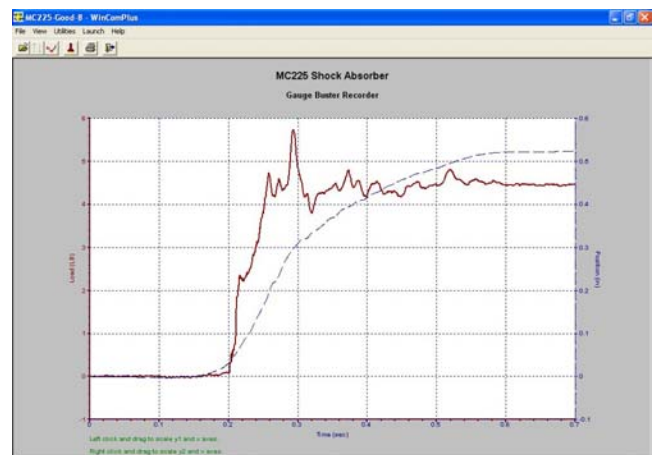
Switch on the power and the Gauge Buster Recorder is ready to monitor and record peak force or force-displacement. The unit is an accurate and versatile instrument that can be set up quickly and easily to collect data for hundreds of applications such as product audits, in-process SPC, instrument calibration, and troubleshooting.

Easy to Use

The Gauge Buster Recorder can monitor and record data quickly, easily, and accurately. The alphanumeric display is easy to read and prompts you through setup and operation as needed. It displays peak and live force simultaneously.

Quick Data Outputs

The built-in serial port lets you upload waveforms into a computer for further analysis and report generation.



A force vs. time and displacement vs. time curve uploaded from the Gauge Buster Recorder depicting the deceleration profile of a shock absorber.



Portable battery powered Gauge Buster Recorder - This rugged unit requires four AA batteries to provide up to 8 hours of continuous operation.

The recorder features an 4096 Hz sampling rate, user programmable lograte and comes with a remote push-button to trigger the start of a recording. The Gauge Buster Recorder features a 24-bit A/D converter for high accuracy measurements that exceed ASTM E4 specifications. Its ease-of-use and ruggedness results in a system of unrivaled price/performance.

The Gauge Buster Recorder is powered by a 110 VAC wall adapter but can be optionally purchased as a battery powered instrument with rugged carrying case

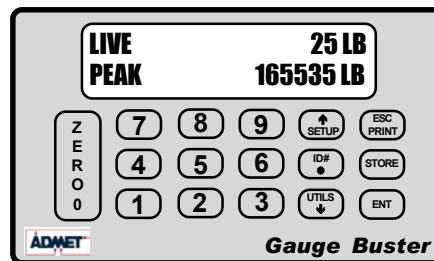


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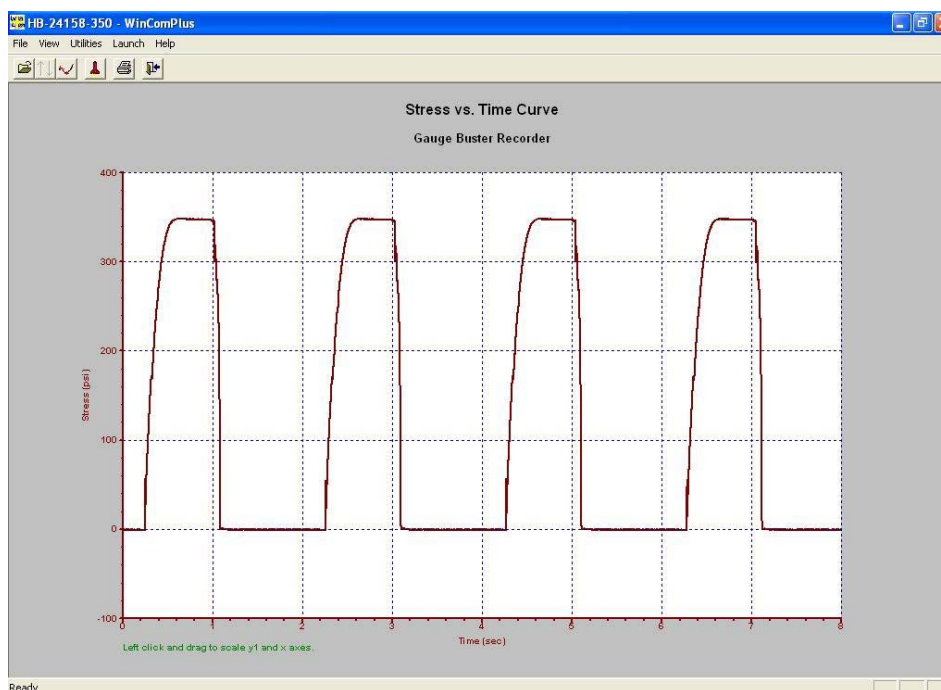
For a Total Solution to all of your Materials Testing Needs

Gauge Buster Recorder features

- Display Live Force and Peak Force numerically.
- Select between engineering units of Lb, N, KN and Kg.
- Generate Force/Stress vs. Time or Force/Stress vs. Displacement curves on a remote computer by transmitting raw XY data to ADMET's WinCom PLUS Data communications program.
- User programmable sampling frequency from 2 Hz to 4096 Hz.
- Stores up to 32,767 data points per waveform.
- Built-in analysis for California Test 104 with user selectable pressure limits.



Display after waveform has been captured: Live force and peak force are displayed automatically on the 2 line x 16 character LCD.



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. Shown is a Stress vs. Time waveform generated from a soil/asphalt compaction machine. The curve was generated by uploading raw XY data from Gauge Buster Recorder to a remote PC running ADMET's WinCom PLUS Data Communications Program.

Force Input Compatibility

Sensitivity: User selectable from 1mv/v to +/- 5Vdc
 Excitation: 5 Vdc
 Accuracy: Gauge Buster plus Transducer-Better than 0.5% from 1% of full scale to full scale (Exceeds ASTM E4).
 Resolution: 1 part in 8 million (approx.)
 Sampling Rate: Programmable from 2 to 4096 Hz

Display

2 line x 16 character alphanumeric LCD (values to 9,999,999)
 Character Height: 0.40 inches

Power Requirements

Voltage: 7-15 Vdc, unregulated
 Current: 450 ma with LED Backlight
 100 ma no LED Backlight
 Battery powered unit uses four AA batteries

Dimensions

Size: 6.25"wx3.8"Hx2.25"DP 2.5lb
 Portable battery powered case: 11"x10"x5" 4.5lb

Model No

GBR - Gauge Buster Recorder (Force Only)

Accessories/Options

- Battery powered portable case - Includes (4) AA rechargeable batteries with AC/DC powered battery charger.
- Quadrature encoder input for displacement/position
- Fixed and swivel mounting brackets
- Shunt Calibration
- RS-232 Printer
- Pressure Transducers: 1,000-2,500-5,000-10,000 psi