

November 2018

PalletDAQ - Transportation Data Logging System

Acquire critical pallet performance data during transport and handling.

PalletDAQ is a unique, instrumented pallet designed to document the performance of unit loads, cases and individual packages during handling and transport. It is a self-contained data acquisition system capable of monitoring and recording multiple channels of mixed sensors for extended periods of time.



Designing packaging systems for stability or cost savings requires knowing about the specific distribution system and how both primary and secondary packaging behaves in that environment. This is particularly true with caseless trays.

PalletDAQ conforms to a standard 40" x 48" pallet footprint. Hardware and batteries are protected inside rugged metal enclosures, and the system can be handled in the supply chain like any other pallet. When PalletDAQ arrives at its intended destination, data can be quickly and easily downloaded. Typical measurements include load, pressure, acceleration, temperature, humidity, inclination, and displacement, but SES can configure the system to record other data as required.

Download the full brochure [here](#).

Upcoming Events



[ATA Tradeshow](#)

January 10-12, 2019 | Louisville, KY

Patrick Harrell, Associate II at Stress Engineering Services, will be presenting Saturday, January 12, 2019 on the *Impact of Compound Bow Draw Behavior on Perceived Noise and Vibration*.

Missed our previous newsletter?

Click [here](#) to read about Custom Sensor Development for IIoT and Machine Learning.

Stress Engineering Services, Inc. (SES) offers an integrated team of experts in creative design, functional engineering, design for manufacturing, materials, cost analysis, and reliability to deliver the highest level of innovation and technical success in developing products and packaging. SES provides expert engineering consulting services for:

- New Product Development
- Material Science
- Risk Assessment
- Human Factors
- Failure Analysis
- Package Development
- Testing
- Industrial Design

SES has extensive laboratory testing capabilities for evaluating materials, product performance, life assessment, and failure analysis. We have extensive simulation capabilities to predict mechanical, thermal, and fluid flow characteristics of complex problems.

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