rycobel

SAVER AM – Asset Monitor
Shock & Vibration Data Logger

The SAVER™ AM is a self-powered field data recorder with an internal tri-axial accelerometer. The SAVER™ AM is provided with temperature, humidity and atmospheric pressure sensors, as well as both light and orientation sensors. The AM is powered by a USBrechargeable lithium ion battery, providing up to 30 days of continuous operation.

Performance specifications

» Body Envelope Size (with integral mounting flanges): 2.8 x 3.6 x 1.3 in. (71 x 91 x 33 mm)

» Acceleration Range: 100 or 200g full scale (user selectable)

» Accelerometer Type: Triaxial piezoelectric

» Sampling Rates: 500, 1000, 2500 and 3000 samples per second

» A/D Conversion: 12-bit

» Anti-Alias Filter: 5-pole, low pass filter 50, 100, 250 and 300 Hz

» 3-dB Frequency Response: 0.5 Hz to filter setting

» Temperature Measurement Range: -20° to 60°C (-4° to 140°F)

» Humidity Measurement Range: 5% to 95% RH, non-condensing

» Atmospheric Pressure Measurement Range: 10 to 1100 mbar

» Light Sensor Measurement: 0 to 2000 Lux

» Light Detection: On / Off

» Orientation/Tilt Detection: +/- 45 degrees from orientation

» Memory Retention Modes:

   » Signal – Top 400 Dynamic Acceleration Events (Max Overwrite)

   » Timer – up to 10,000 Events (Static measurements – temp/humid/press/light/orientation) – Fill Stop

» Certifications:

   » CE

   » IP 67

Product features

» Full triaxial accelerometer time-history waveform

» User-programmable trigger threshold

» User-defined pre-trigger recording (so you know what happened before the event took place)

» LED alarm indicator for shock, Temp/RH, Remaining

» Battery Life, Atmospheric Pressure, Tilt Orientation

» Push button, delayed start or instantaneous activation

» USB connectivity for communication and instrument power

» Full compatibility with SaverXware analysis software

Options

» Mounting kits including magnets and other attachment hardware

» External power for extended run-time

» Data Analysis Services