



The enhanced 248 ShockLog combines Lamerholm Electronics advanced tri-axial piezo electric accelerometer technology with sophisticated electronics and software to offer an advanced shock and vibration monitoring instrumentation.

The 248 has been designed to monitor shock and vibration based on acceleration measurements. The device has several unique features, which make it suitable for application where the cost of exposure to out of specification environmental influences is very high. The instrument is equally suitable for protecting high value fixed or mobile installations and investigating shock during transportation.

The comprehensive Windows based software programme allows you to programme your own wake up, alarm levels and frequency of data collection. When a programmed impact level is exceeded a visual alarm will alert you as well as storing the data for future analysis.

Features:

- ° Built in temperature sensor with optional humidity sensors
- ° Three built in accelerometers
- ° Completely self contained (battery operated)
- ° Acceleration measurements
- ° Adjustable alarm thresholds
- ° Low cost standard AA size lithium or alkaline
- ° LED operation and alarm status indicators
- ° Date and time stamping
- ° RF screened and CE certified battery
- ° Up to 12 month battery life
- ° Complete journey profile
- ° Detailed record significant events
- ° Tamper-proof factory and user passwords
- ° Data stored in non volatile memory

ShockLog

Product Code 248LG010xxZO
248LG030xxZO
248LG100xxZO
Options: xx = H0 - no humidity
H1 - humidity

Series ShockLog

Typical Applications

- ° Transportation monitoring
- ° Storage monitoring
- ° Building monitoring
- ° Supply chain analysis
- ° Packaging test & evaluation

Instrument

Dimensions: 88 x 84 x 55 mm
Weight: 450 grams
Power Supply: 1 x 3.6V lithium thionyl chloride
1 x 1.5V alkaline size AA
Case Material: Aluminium
Operating Temperature Range:
Accuracy (full range): -2 to +2°C
Extended range -40 to +85°C
Humidity: -3 to +3% RH
Scale Factor: ± 2%
Acceleration ranges: ±10, 30 or 100g
Alarm thresholds (%): 11 to 95% (% of range)
Dynamic Range: 2.5mg to 100g

Accessories

Code
Y055: Set up communications cable
88706: AA lithium 3.7v battery
31740LE: ShockLog full iButton set

Benefits:

- ° Decreases costs related to damage incurred during operation, shipping, handling and storage
- ° Highlights areas for improvement in operational, shipping and handling processes
- ° Isolates when and where unacceptable conditions occur and identifies accountable parties
- ° Confirms acceptable conditions during operation, shipping, handling and storage
- ° Operational and journey profiling
- ° Alerts recipient to potential damage upon arrival and therefore inspection require