



The enhanced 298 ShockLog combines Lamerholm Electronics advanced tri-axel piezo electric accelerometer technology with sophisticated electronics and software to offer an advanced shock and vibration monitoring instrumentation.

The 298 has been designed to monitor shock and vibration based on acceleration or velocity 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 and vibration during transportation.

The comprehensive Windows based software programme allows you to programme your own wake up, warning and alarm levels and frequency of data collection as well as the setting of the acceleration or velocity range and frequency filter. 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)
- ° Velocity or acceleration measurements
- ° Adjustable warning and alarm thresholds
- ° User selected frequency cut off
- ° Low cost standard AA size lithium or alkaline
- ° LED operation, warning and alarm status indicators
- ° Date and time stamping
- ° RF screened and CE certified battery
- ° Greater than 18 month battery life
- ° Complete journey profile
- ° Detailed record significant events
- ° Optional external sensors
- ° Tamper-proof factory and user passwords
- ° Data stored in non volatile memory

The ShockLog is the ability to set alarm conditions on any the selected slot data; most parameters have a high and low alarm setting point.

## ShockLog

**Product Code** 298LxxZOK  
Options: xx = H0 - no humidity  
H1 - humidity

**Series** ShockLog

#### Instrument

**Dimensions:** 123 x 78 x 55 mm

**Weight:** 500 grams

**Power Supply:** 2 x 3.6V Lithium thionyl chloride  
2 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:** 1, 3, 10, 30, 100 & 200g

**Velocity Ranges:** 1, 3, 10, 30, 100 & 200cm/s

**Warning & Alarm Thresholds (%)**: 5 to 95% (% of range)

**Dynamic Range:** 2.5mg to 100g

#### Accessories

**Code**

29900: HPT (humidity, pressure & temperature) 1bar

29900B2: HPT (humidity, pressure & temperature) 2 bar

29800RA: RD400 single axis accelerometer

40400: RD404 tilt & Roll accelerometer

40100A: RD401A RIU battery powered remote

indicator unit

Y055: Set up communications cable

88706: AA Lithium 3.7v battery

31740LE: ShockLog full iButton set

#### Benefits:

- ° Provides a visible deterrent to incorrect operation and handling
- ° Decreases costs related to damage incurred during operation, shipping, handling and storage
- ° Highlights potential 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