



The Shocklog impact and environmental recorders provide continuous monitoring of the severity and duration of shock and vibration to large stationary or moving equipment, structures and storage environments. Offering customers outstanding value in today's market and delivering measurable benefits on arrival at a destination. However, in finding out a product is damaged on arrival may be too late, therefore to maximise the effectiveness of the Shocklog range, and utilise collected data as and when events occur, Lamerholm have developed eTrak.

eTrak is a GPS & GPRS transportation tracking device that is capable of connecting to any Environmental Data Recorder (EDR) with a communication output providing up to 16bits of data (CRC checked), such as the RD298 ShockLog recorder.

The eTrak device incorporates the latest in GPS and quad band GSM/GPRS technology. The units are powered by a solar panel and backed up by a battery supply that is capable of providing in excess of 12 months monitoring without day light. Self contained within a single enclosure the eTrak module connects to an appropriate EDR via a cable.

Messages are sent via the GPRS network and arrive at the customer's desk-top in email format, which are then interpreted by the eTrak windows based PC software. Where a GPRS network is not available the eTrak system automatically reverts to SMS, sending an appropriate message to a network provider who forwards an email to the customer's desk-top.

eTrak has the ability to send two types of messages depending on the input information from the EDR unit.

a. Status messages – These will be sent on a pre-determined time scale driven by the EDR. For example on the RD298 ShockLog these messages would be driven by the summary time periods and would provide information in relation to the date, time, GPS coordinates and the number of events that occurred during the last summary period.

b. Event messages - These will be generated upon set thresholds being breached. For example on the RD298 ShockLog these messages would be driven by any breach of the shock thresholds or the Humidity, Pressure or Temperature thresholds being breached and will contain date, time, GPS coordinates and details of the breached threshold.

These messages will be stored within the eTrak unit in flash memory and can be received at a rate of up to one per second. Upon receipt of a message the unit will

eTrak - GPS/GPRS Tracking Module

Product Code 40501 & 40501K
Series ShockLog Accessories

Benefits

- ° Reduces product damage and loss during shipping and Handling process.
- ° Ongoing real-time alert of events
- ° Reporting of date, time, GPS coordinates and number of events from last reporting period
- ° Hyperlinks are available from software direct to Google Maps
- ° Solar powered with 12 month battery back-up
- ° Identifies trouble spots in storage and transportation process
- ° Protects against/Reduces warranty claims
- ° Increases customer satisfaction and provides a visible marketing edge

Instrument

Dimensions: 160 x 250 x 40 mm
Weight: 696 grams
Power Supply: Solar panel, trickle charge to a 680mA hour LiOn battery
Case Materials: ABS
Operating Temp Range: -40°C to +85°C
Communications Module: Telit module GM862-GPS, quad band plus GPS with integrated SIM card holder
Regions: Global, provided GSM network coverage available


eTrak
SHOCKLOG
GPS INTERFACE





wake the GSM module and scan for appropriate network coverage. If no network is found it will return to sleep mode, otherwise it will continue to wake the GPS module that will then scan for a location fix. The units are factory set to scan for a maximum of 90 seconds and if no fix can be found all modules will go back to sleep with the message being saved until the next one comes through. The unit will send all available messages upon connection to an appropriate network and a GPS position being fixed.

eTrak has been developed with a "Non-transmission" mode for use in areas where mobile phones are prohibited.

The windows based eTrak software stores all received messages within a database format that is searchable by various parameters including date, EDR serial number, eTrak serial number and message status. Hyper links are available from the software directly to Google Maps for seamless viewing of message locations.

The use of eTrak with your EDR monitoring system provides a real-time alert system allowing you to react in a proactive way and minimise the impact of any mishandling during transportation turning potential dissatisfied customer into positive customer service.

With the latest in GPS monitoring, Lamerholm have developed a tracking device that enables users to locate their product in transit with the Google map hyperlink feature and receive real-time reports on events including date, time, GPS coordinates and number of events from the last reported period.

With the immediate notification of an event and precise location, action can be taken instantly to confront a situation and a resolution put in place before delivery to a customer.

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