

# ShockTrak™

## Impact Recording & Tracking System



**ShockTrak sends real-time alerts when issues occur and lets you know where they happened.**

### ShockTrak™ Overview

The ShockTrak Impact Recording and Tracking System combines the flagship ShockLog® 298 Impact Recorder and a satellite communication module to deliver outstanding impact recording, real-time reporting and asset location. The system is preprogrammed with parameters optimized for your asset. Want to customize the impact recorder settings in house? The ShockLog 298 has a user-programmable impact scale and frequency filters, offering the most versatile option for users. Monitor and report impact events, vibration and internal temperature as well as peak value (time slot) and summary period journey profile data. Know when and where unacceptable conditions have been encountered and get location updates every four hours.

### Identify Incidents Before Delivery or Installation

With the ShockTrak Impact Recording and Tracking System, you can receive email or text alerts of unacceptable conditions that your product has encountered which may affect its performance or safety. Armed with this information, you can take immediate action before the shipment is received or plan remediation before final installation of the asset in the field.

### Protect Your High Value Assets

#### ShockTrak delivers:

- Best-in-class recording and post-journey analytics
- Web-hosted tracking application
- Real-time reporting of critical events
- Robust power source that eliminates the need for solar backup
- Knowledge of shipment delays while en route or in customs

#### Features

- Records impact events; max peak X, Y, and Z; gRMS; and internal temperature
- Preprogrammed configuration records up to 108 events (90 day journey duration)
- User configurable option records up to 870 events (with shorter journey duration or custom messaging contract)
- Sends real-time alert and location when event occurs
- Delivers asset location report every 4 hours

#### Globalstar LEO Satellite Network

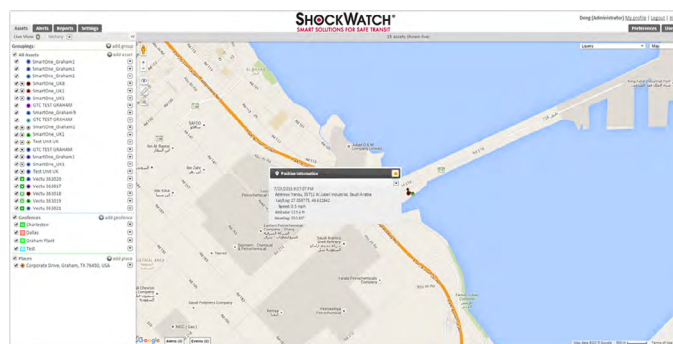
#### GPS Satellite Network

#### Assets with ShockTrak Device



## Locate Valuable Assets 24/7 via Shocktrak.com

During the journey, the ShockTrak utilizes a satellite network to alert you when a potentially damaging impact has occurred. With the web-hosted software, you can access tracking data from the ShockTrak. Assets can be viewed as a group or can be filtered down to individual units. Unacceptable event conditions are reported in real time with email, text or audible application alerts. Asset location reports are sent every four hours.



## ShockLog® Analysis Software

When the journey has concluded, the ShockLog 298 allows you to download and analyze the full data set. The ShockLog Report View provides an overview of the entire journey: peak acceleration values for all three axes reported on a time basis as well detailed impact curves. Zoom in for a closer view, or export data into programs such as Excel and Matlab for more detailed analysis.



Key Specifications	
<b>Operating Temperature Range:</b>	-86°F to 140°F / -30°C to 60°C  The unit shall remain operational over the -40° to 85°C range, though may experience battery life and RF signal degradation.
<b>Size:</b>	12.61in x 9.41in x 4.69in 320mm x 239mm x 119mm
<b>Weight:</b>	9.7 lbs / 4.4 kg
<b>Battery Type:</b>	2 x 3.6V AA Lithium (ShockLog) 4 x 1.5V AA Lithium (Satellite Module) 4 x C-Sized Lithium (Optional Battery Pack)
<b>Battery Life:</b>	Up to 3 months standard  Additional 3 months with optional battery pack
<b>Enclosure Rating:</b>	NEMA 1, 3, 4X, 6P, 12
<b>Scale Factor Accuracy at 5G:</b>	± 2%
<b>Additional Error Other Ranges:</b>	± 2%
<b>Cut-off Frequency Options (Programmable):</b>	10Hz, 40Hz, 50Hz, 90Hz, 120Hz and 250Hz
<b>Wake-up, Warning, and Alarm Threshold (% of Range):</b>	5 - 95%
<b>Wake-up Time:</b>	0.25ms
<b>Satellite Technology:</b>	Global LEO Satellite operation using Globalstar Simplex Data Networks