



## GTM Key Features

**Triggered Events and Continuous Monitoring simultaneously:**

Continuous monitoring is not interrupted by a triggered event.

**No Down Time:** Triggered event processing does not delay subsequent triggered events.

**Trigger on Vector Sum Threshold:** Also trigger on microphone (dB) and/or individual elements.

**Duty Timetables:** T-Link allows the user to create duty timetables, enabling the monitor to go into 'sleep' mode when monitoring is not required. This helps to conserve battery life between charges.

**Standard 8 Mbyte onboard memory:** Allows for hundreds of waveforms and tens of thousands of events to be stored.

**Range Change:** Now available through T-Link software.

**Overpressure Peak Detect:** The GTX incorporates circuitry to detect peak overpressure, providing a 100  $\mu$ s detector onset time as required by many environmental authorities.

**Vibration Dose Value (VDV):** All event data is processed within the monitor and results comply with AS2670/BS6472 (or overseas equivalent).

**Standard 32-bit processor:** Provides sampling rates up to 40 kHz.

**Zero Crossing Frequency:** Results are available in all reports and all events (Except VDV).

**Vector sum result in continuous mode.**

**Event data:** All event data is processed within the monitor, including ground vibration, peak vector sum and Vibration Dose Value (VDV).

**Easy PC communication:** RS232 serial interface or a USB port (using serial adapter cable).

**Power supply:** The GTX draws power from an internal rechargeable battery pack, making it suitable for operation in any situation.

**Retrieve while monitoring:** Results can be retrieved without interrupting monitoring.

**Packaging:** The IP65 rated weatherproof GTX weighs only 1.2 kg including batteries.

**Setting-up:** The GTX and all accessories are carried in a durable backpack. Setting up the monitor takes only minutes.

**Sensor Options:** Standard triaxial geophone, low frequency, high range, microphone.

### COMPLIANCE MONITORS AND DATA MANAGEMENT



BLAST



GAS



WEATHER



NOISE



WATER



## GTM Technical Summary

### SENSORS

Input ranges can be configured by the user in T-Link.

Resolution is 12 bits for all ranges.

Trigger threshold can be set up to full range.

The high-frequency roll-off of the sensors (unless otherwise specified) is at 30% of the sampling rate.

### WAVEFORMS

Record modes Single shot (Threshold, Auto), continuous logging

Sample rates From 20 to 40000 samples per second (depending on number of channels, and results)

Record time 128 to 131072 points (0.128 to 131.072 seconds at 1000 sps)

Pre-trigger 0% – 100% in 5% steps

Memory 247 × 4 s waveforms at 1000 samples per second, with 1029 summaries  
33182 summaries in single shot mode (no waveforms) or continuous logging mode

### USER INTERFACE

Display LCD 16 characters × 2 lines, with backlight

Transparent waterproof cover on case

Keypad 6 domed tactile keys + power switch

Connectors – top panel RS232/DB9 for PC communications

Charger

Connectors – sensors MS12–10 for triaxial geophone

RO4–6 for microphone

Connectors – power IEC320-C8 on international mains charger

### POWER SUPPLY

Batteries Internal rechargeable NiMH 4.5 A·h @ 9.6 V  
336 hours continuous run time (depending on Settings)

Charger International voltage (90 V to 260 V, 50 Hz to 60 Hz)

IEC320-C8 cable

Recharge Time Approx. 6 hours

### PHYSICAL

Temperature Operating 0°C to 70°C (32°F to 158°F)

Display 0°C to 50°C (32°F to 122°F)

Dimensions 191 mm × 129 mm × 80 mm

Weight 1.6 kg

Environmental Sealed to IP65 when geophone and microphone connected, or caps in place

EMC Emissions to CFR47 FCC Part 15B, Class B Verification

Emissions to CISPR:2005, Class B

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