

# COMPACT TRACKING UNIT (CTU)

*The Lat-Lon Solar-Powered wireless GPS tracking and monitoring system, provides location and productivity information you need to manage your assets. Solar-Powered means more messages throughout the average 7+ year unit lifetime.*

## CONDITION MONITORING:

Monitor more of your shipment with not only GPS, standard in every unit, but customizable sensors to fit your needs:

- Impact Detection
- Pressure
- Temperature
- Digital Input
- Analog Input

## IMPACT

Our Compact Solar-Powered Tracking Unit can be equipped with a 3-Axis accelerometer complete with customizable G-Force thresholds and sampling. Pair with alerts and you know in real-time, exactly when and where damage occurs. Know more about the severity of impacts with a full impact graph and deceleration graph by axis.



## COMMUNICATION

- 4G with 3G Rollback
- 2 Way Communication: Update settings remotely.
- Timing: Easily adjust how frequently you would like the device to “check-in” from every ten minutes to every few hours.

## TOOLS:

Use any of our four options to analyze your data.

- Web Portal: There is no software to install; all you need for 24/7 access to your password-protected account is an Internet connection.
- Query Desktop Application: Drill into your data with our advanced filtering. Trends are quickly defined and Issues become visible offering logical solutions.
- Mobile App: On the go? Access to your fleet from Android or Apple device complete with Nav-To and Nearby features.
- Export Data: If you prefer, use industry standard IP/XML data exchange tools to import Lat-Lon monitoring data into your existing fleet management software. Or, export data for use in many programs including Microsoft® Excel®.

## USER SPECIFIC

View what’s important, filter out the rest.

- Administrator: Create and update unit settings, alerts and reports with



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administrator only access. Security against unwanted changes.

- User: Each user can view their specific units, reports, data and pertinent alerts. Define their access and resources.

## REPORTS

We make it easy to view standard reports or create customized reports using our software and apps, or export your data. Standard reports including: dwell, pooling, crew productivity, impact & more.

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### PHYSICAL SPECIFICATIONS

Dimensions:	11" X 2.75" X 1.5"
Weight:	1.1 Lbs.
Material:	High Impact ABS
Installation:	Solar Panel Outward, Ideally at the upper portion of the container

### POWER SPECIFICATIONS

Power Source:	Single 0.9W Solar Panel
Power Storage:	Rechargeable
Battery Capacity:	3000 mA-hours
Run Time without Sun:	Approximately 5 Days (Based On Average Transmission Frequency)

### GPS SPECIFICATIONS

Receiver Sensitivity:	-158 dBm
Position Accuracy:	2.5m CEP
Fix Frequency:	1 Second

### COMMUNICATIONS SPECIFICATIONS

Data Modem:	4G with 3G Rollback
Band Frequencies:	850/900/1800, 1900
Coverage:	Global

### OPERATIONAL SPECIFICATIONS

Message Queue:	1000 Messages
Message Frequency:	Standard 1/hr Moving, 2/hr Stopped, or User Configurable (OTA)
Sensor Reporting Thresholds:	User Configurable (OTA)



## IMPACT SENSOR

Accelerometer:	3 Axis Accelerometer: Orientation in Diagram below
Impact Sampling:	1024hz Raw Sampling (standard) 10hz Filter (standard) (Custom filtering avail. upon request)

## ANALOG / DIGITAL SENSORS

### PHYSICAL SPECIFICATIONS

Installation:	Hardwired to Unit external
Temperature Range:	-40°C to 80°C
Message Frequency:	Standard with Messages

