



### KEY FEATURES & BENEFITS

- Reliable, proven Trimble GPS technology
- Compact form factor
- Splash-resistant housing
- Simple, non-technical installation
- GPRS modem for worldwide coverage
- Internal GPS antenna
- Optional external GPS antenna for more discrete hardware mounting
- 48-hour battery backup and external power loss alert
- Accurate ignition-based reporting under a variety of conditions
- Exception alert reporting
- Unauthorized use detection
- Ideal for use with light construction assets

### THE TRIMTRAC PRO LOCATOR

#### Portable, Compact, Affordable

The TrimTrac® Pro locator is a compact, lightweight data communications module (DCM) that can be configured to meet a variety of asset management and tracking requirements. Powerful, versatile and highly cost-effective, the TrimTrac Pro locator is also a hardware enabler for Trimble® Construction Manager, a turn-key construction asset management software solution that helps you increase asset productivity and utilization, improve efficiency and grow your overall construction operations profitability.

The TrimTrac Pro locator can report an asset's location based on a variety of user-defined methods such as automatic sending of periodic autonomous reports, ignition reports or scheduled reports.

With its simple installation and compact form factor, along with the powerful asset management features of Trimble Construction Manager software, the TrimTrac Pro locator allows construction companies, contractors and rental companies to enable their machine, mobile and portable assets in order to remotely monitor asset location and utilization.

#### Types of Assets

The TrimTrac Pro locator can be used on a variety of construction assets, but is especially practical for portable assets such as generators, compressors, and light towers. It also may be installed on light machines such as backhoes, skid loaders, and aerial lifts, as well as mobile assets such as quad ATVs, utility trailers and pickup trucks. In addition, its small size and convenient installation makes it the perfect solution for when a temporary situation is required, such as on rented equipment.

#### How It Works

Your assets are equipped with hardware containing reliable Trimble GPS technology. That hardware provides immediate location information—even in difficult environments typically found on a construction site. A variety of hardware options are available to ensure that you have the right solution for each piece of equipment.

The TrimTrac Pro locator utilizes innovative GPS technology, a vehicle adapter module, wireless communications and an Internet-enabled computer to detect, monitor and report on equipment activity.

### VALUABLE INFORMATION

Through the Trimble Construction Manager software, the TrimTrac Pro supplies users with a wealth of information, including hours of use and location updates. The software's dashboard of advanced reports and charts presents meaningful historical data that is useful for understanding asset usage and productivity.

You can set up alerts to be notified by email or SMS text messaging when certain conditions exist, such as a movement alert with a curfew time period for theft recovery, or when an asset is approaching its next scheduled maintenance.

### READY-TO-USE; NO CUSTOM PROGRAMMING

With an activated Subscriber Identification Module (SIM card) and the power connectors in place, the TrimTrac Pro locator is ready to start reporting position. Reports are sent at 30 minute intervals whenever there is motion or ignition sensed.

### COST-EFFECTIVE, UNIVERSALLY AVAILABLE COMMUNICATIONS

The TrimTrac Pro locator takes advantage of the near universal availability of GSM networks while also leveraging cost-effective GPRS data rate plans that offer extensive inter-network roaming capabilities both within your own country and internationally.

If GSM network coverage is temporarily not available, the TrimTrac Pro locator is conveniently configured to log messages. Once coverage becomes available again, the device then transmits the logged messages. This feature is especially handy when the asset is expected to go in and out of GSM coverage areas.

### SPECIAL FEATURES

Geofencing, scheduled hours of operation, runtime meters and automatic out-of-coverage log dump are just some of the many features provided by the TrimTrac Pro locator with the Trimble Construction Manager software. You can define the geofence—a border or "fence" on a map—so that the software will report whenever the device is inside or outside of the defined area at each 30-minute reporting interval. Geofencing is used so that assets are set to stay within the boundaries that a company deems productive and for monitoring usage within a specific site.

To determine how efficient each piece of equipment is on a particular jobsite, you can monitor the number of hours it was actually in operation each day through the Expected Hours



# TRIMTRAC PRO LOCATOR

of Operation feature. The TrimTrac Pro locator can also assist with equipment maintenance schedules. You can set a maintenance alert once the equipment has reached a pre-determined number of working hours. The TrimTrac Pro locator then reports the actual runtime hours to the Trimble Construction Manager software, obtaining the information from all ignition-switched source events.

## HARDWARE OPTIONS, EXPANDED CAPABILITIES

The TrimTrac Pro locator comes standard with a plug-in module that provides connection to external 9-32 V DC power and to an ignition-switched source. And, to address different mounting requirements, two brackets are available—a metal bracket for more permanent installations, which is included, and an optional “quick-release” style plastic bracket that can be used when rapid insertion and removal of the TrimTrac Pro locator is required. This bracket is particularly useful when the device is routinely moved from one asset to another.

An optional miniature external GPS antenna allows for more discrete, protected installation of the TrimTrac Pro locator. In this case, the TrimTrac Pro locator can be installed in a discrete location on the asset and the small antenna is then installed on the outside of the asset with a clear view of the sky.

## Three Easy Steps

- 1) The TrimTrac Pro locator is installed on asset. It receives position coordinates from the GPS satellites and stores the coordinates in memory.
- 2) The TrimTrac Pro locator then wirelessly sends packets of data to the central data server via cell phone tower.
- 3) Information on the central data server is accessed via the Trimble Construction Manager software. The software stores the data (up to 90 days) and conveniently organizes it for the user into asset groups for map views, reports, charts and dashboards. Alerts and events can be set up to notify users of expected (and unexpected) activity.

## GSM SPECIFICATIONS

GSM . . . . . GPRS Multi-slot Class 10, Class B Operation  
Short Message Service (SMS)  
850/1900/900/1800 . . . . . Class 4 (2W) at 850/900 MHz (EGSM)  
Class 1 (1W) at DCS1800/PCS1900 MHz  
SIM . . . . . 1.8 V/3.0 V  
Type Approvals . . . . . PTCRB and GCF CC  
FCC Parts 15 and 24; Industry Canada  
CE-mark; E-mark  
ECR & TTE Type Examination

## GPS SPECIFICATIONS

General . . . . . L1 (1575.42 MHz) frequency, C/A code  
Sensitivity Minimum . . . . . -136 dBm acquisition  
Accuracy . . . . . Horizontal: <12 m  
Velocity: 0.06 m/sec  
Acquisition Times . . . . . Signal Power -130 dBm -136 dBm  
Warm Start (50%) <39 sec <80 sec  
Dynamics . . . . . Acceleration: 4 g (39.2 m/sec<sup>2</sup>)  
Motional Jerk: 20 m/sec<sup>3</sup>  
Datum: WGS-84

## ENVIRONMENTAL

Temperature  
Normal Operating . . . . . -10 °C to 55 °C  
Maximum Operating . . . . . -20 °C to 75 °C  
Storage . . . . . -40 °C to 85 °C  
Humidity . . . . . 5% to 95% RH non-condensing at +40 °C  
Casing . . . . . IP55 except when used with external GPS antenna

Vibration . . . . . .0008 g/Hz 5 to 20 Hz; 0.05 g/Hz 20 to 100 Hz  
-3 dB/octave 100 to 900 Hz  
Shock . . . . . Operational: 40 g for 11 m/sec  
Non-Operational: 75 g for 6 m/sec

## PHYSICAL SPECIFICATIONS

Assembly . . . . . Injection molded plastic  
Size . . . . . 143.3 mm x 76.2 mm x 36.7 mm  
(5.78" x 2.99" x 1.44")  
Weight . . . . . 275 g (9.7 oz) with vehicle adapter module;  
not including batteries

## ELECTRICAL CHARACTERISTICS

Primary Power . . . . . 9-32 VDC (3) external source  
Back Battery Life . . . . . 48 hrs at 30-minute reporting intervals  
Connections . . . . . Plug-in module with power connector and  
ignition source connector;  
External GPS antenna

## STANDARD ACCESSORIES

Remote GPS antenna . . . . Active micropatch antenna with magnetic mount  
and 5 m cable  
Mounting bracket . . . . Metal bracket for permanent or rugged installations  
Clip-in bracket . . . . . Plastic holster-style bracket for quick release

*Specifications subject to change without notice.*

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