

## LTI Products

### TruPulse Series

#### TruPulse Product Line

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##### TruPulse 200 Yellow

Part No: 7005025

E1 Desc: TruPulse 200,YELLOW

Lightweight, low-cost laser rangefinder that measures Slope Distance and Inclination. Calculates Horizontal Distance, Vertical Distance and Height. Equipped with 7x optics, in-scope data display and a serial port.

Includes: neck strap, lens cloth, operator's manual and carrying case. Color: Yellow.

#### Key Features:

- In-scope data and menu display
- Flexible 3-shot height routine
- Most compact distance/height laser on the market



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##### TruPulse 200L

Part No: 7006870

E1 Desc: TruPulse 200L

The TruPulse 200L, a lightweight lowest cost laser rangefinder, that measures Slope Distance and Inclination (% Slope). Calculates Horizontal Distance, Vertical Distance, Height and 2D Missing Line values.

Equipped with 4x optics, in-scope graphical data display and tactile grips. Includes neck strap, lens cloth, operator's manual and carrying case, color LTI Maroon.

#### Key Features:

- Navigates through menus easily with graphical icons
- Ranges extremely far without a reflector
- Outperforms and costs less than many recreational rangefinders



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##### TruPulse 200X

Part No: 7006875

E1 Desc: TRUPULSE 200X

The TruPulse 200X, rugged and water proof laser rangefinder, that measures Slope Distance and Inclination (% Slope). Calculates Horizontal Distance, Vertical Distance, Height and 2D Missing Line values.

Equipped with 7x optics, in-scope LED data display, serial port and Blue tooth communication (iOS compatible). Includes neck strap, lens cloth, operator's manual and carrying case, color LTI Maroon.

#### Key Features:

- Achieves the highest distance and inclination accuracy
- Adjusts to any lighting conditions using the in-scope LED display
- Withstands harsh conditions with rugged, waterproof housing



## TruPulse Series

### TruPulse Product Line

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#### TruPulse 360 B Yellow

Part No: 7005530

E1 Desc: TRUPULSE 360B, YELLOW

Lightweight, low-cost laser rangefinder that measures Slope Distance, Inclination (% Slope) and Azimuth. Calculates Horizontal Distance, Vertical Distance, Height and Missing Line values. Equipped with 7x optics, in-scope data display and a serial port. Includes integrated Bluetooth® wireless communication.

Includes: neck strap, lens cloth, operator's manual and carrying case. Color: Yellow.

#### Key Features:

- Produces accurate azimuths at any angle
  - In-scope data and menu display
  - On board height and missing line solutions
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#### TruPulse 360 R

Part No: 7006850

E1 Desc: TruPulse 360R

The TruPulse 360 R, rugged and water proof laser rangefinder, that measures Slope Distance, Inclination (% Slope) and Azimuth. Calculates Horizontal Distance, Vertical Distance, Height and Missing Line values.

Equipped with 7x optics, in-scope data display and a serial port. Includes neck strap, lens cloth, operator's manual and carrying case, color black.

#### Key Features:

- Rugged & Waterproof Design
  - Bluetooth® capabilities for wireless data collection
  - Measures HD, VD, SD, INC, HT, AZ and ML
  - 3-shot height routine & 2-shot missing line routine
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#### TruPulse 360 Yellow

Part No: 7005525

E1 Desc: TRUPULSE 360, YELLOW

Lightweight, low-cost laser rangefinder that measures Slope Distance, Inclination (% Slope) and Azimuth. Calculates Horizontal Distance, Vertical Distance, Height and Missing Line values. Equipped with 7x optics, in-scope data display and a serial port.

Includes: neck strap, lens cloth, operator's manual and carrying case. Color: Yellow.

#### Key Features:

- Produces accurate azimuths at any orientation
- In-scope data and menu display
- On board height and missing line solutions



## Impulse Series

### Impulse Handheld Lasers

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#### Impulse 200

Part No: 7002700

E1 Desc: Impulse 200

Rugged, reflectorless laser rangefinder for slope distance, inclination, and calculating horizontal distance, height and vertical distance. Equipped with a red dot scope, LCD panel and a serial port.

Includes: a red dot scope, hand strap, mounting bracket, foliage filter, carrying case, (2) AA alkaline batteries and operational manual.

##### Key Features:

- Filter system to discriminate reflective targets through brush.
- Waterproof aluminum housing for maximum durability
- Built-in tilt sensor for 3-shot height routine



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#### Impulse 200 LR

Part No: 7003383

E1 Desc: Impulse LR 200

Rugged, reflectorless laser rangefinder for measuring slope distance and inclination. Will calculate Horizontal distance, Vertical distance and Height. Has twice the range of the standard model. Equipped with 1x red-dot scope, rear LCD panel and serial port.

Includes: a red-dot scope, hand strap, mounting bracket, foliage filter, (2) AA batteries, operator's manual and padded carrying case.

##### Key Features:

- Built-in tilt sensor for 3-shot height routine
- Increased range capability
- Filter system to discriminate reflective targets through brush



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#### Impulse 200 LR w/ Zoom Scope Option

Part No: 7003824

E1 Desc: Impulse 200 LR w/1.5x4 Zoom

Rugged, reflectorless laser rangefinder for measuring slope distance and inclination. Will calculate Horizontal distance, Vertical distance and Height. Has twice the range of the standard model for applications requiring higher accuracy. A rear LCD panel and serial port.

Includes: a 1.5-4x power zoom scope, hand strap, mounting bracket, foliage filter, (2) AA batteries, operator's manual and padded carrying case.

##### Key Features:

- Built-in tilt sensor for a 3-shot height routine.
- Increased range capability.
- Water and dust proof aluminum housing for durability.



## Impulse Series

### Impulse Handheld Lasers

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#### Impulse 200 w/ Zoom Scope

Part No: 7003832

E1 Desc: Impulse 200 w/1.5x4 Zoom

Rugged, reflectorless laser rangefinder for measuring slope distance and inclination. Will calculate Horizontal distance, Vertical distance and Height. Equipped with 1.5-4x zoom scope, rear LCD panel and serial port.

Includes: a 1.5-4x power zoom scope, hand strap, mounting bracket, foliage filter, (2) AA batteries, operator's manual and padded carrying case.

##### Key Features:

- Filter system to discriminate reflective targets through brush.
- Waterproof aluminum housing for maximum durability
- Built-in tilt sensor for 3-shot height routine



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#### Impulse Forest Pro

Part No: 7004523

E1 Desc: Impulse Forest Pro

Rugged laser rangefinder for measuring slope distance and inclination. Requires a reflector as a target. Will calculate Horizontal distance, Vertical distance and Height. Equipped with 1x red-dot scope, rear LCD panel and serial port.

Includes: a red-dot scope, hand strap, 3" reflector, (2) AA batteries, operator's manual and padded carrying case.

##### Key Features:

- Maximum performance shooting to a reflector through brush
- 2-shot and 3-shot height routine
- Waterproof aluminum housing for durability



## Criterion RD 1000

### Criterion RD 1000

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#### Criterion RD 1000

Part No: 7005044

E1 Desc: Criterion RD 1000

Electronic BAF-scope & dendrometer for measuring In/Out trees and stem diameter.

Includes: neck strap, magnifier, lens cloth, operator's manual and carrying case.

##### Key Features:

- In-scope LED display with variable brightness - making it easy to read under all lighting conditions
- Operating modes: BAF, In/Out, Diameter and Height/Diameter
- Measure the diameter at any point along the tree



## MapStar

### MapStar TruAngle

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#### Mapstar TruAngle

Part No: 7006000

E1 Desc: KIT,TRUANGLE

Electronic angle encoder that precisely calculates a turned, horizontal angle to any desired point or direction. A smaller and lighter weight design, a more simplistic user interface and a price point that's nearly half of the MSAE, the TruAngle Angle Encoder is an attractive alternative mapping accessory.

Includes: Laser side brackets, laser cable, download cable, (2) AA batteries and user's manual.

Key Features:

- Offers a low price point without compromising needed functionality
- Operates easily with a simple 2 button interface to decrease field time and aggravation
- Provides industry leading angular accuracy to ensure quality maps every time
- Includes a mechanical bubble so you can set up quickly and obtain the best accuracy
- Powered by AA batteries with 8 hours of continuous use, giving you maximum field productivity



### MapStar Laser Positioning Systems (LPS)

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#### MapStar LPS 10

Part No: 7035130

E1 Desc: KIT,MAPSTAR LPS 10:TA/IM200

MapStar Laser Positioning Kit integrates a laser rangefinder and TruAngle, which measures horizontal angles, to capture X,Y and Z coordinates for a complete 3D mapping system: Includes the Impulse 200, MapStar TruAngle brackets and soft sided case.

The MapStar LPS Kits Will Be Shipped Fully Assembled And Placed Into Product Case.



#### MapStar LPS 11

Part No: 7035131

E1 Desc: KIT,MAPSTAR LPS 11:TA/IM200LR

MapStar Laser positioning Kit integrates a long range laser rangefinder and TruAngle, which measures horizontal angles, to capture X,Y and Z coordinates for a complete 3D mapping system: Includes the Impulse 200LR w/ zoom scope, MapStar TruAngle, brackets and soft sided case.

The MapStar LPS Kits Will Be Shipped Fully Assembled And Placed Into Product Case.



## MapStar

### MapStar Laser Positioning Systems (LPS)

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#### MapStar LPS 12

Part No: 7035132

E1 Desc: KIT,MAPSTAR LPS 12:TA/TP200

MapStar Laser positioning Kit integrates a lower cost laser rangefinder and TruAngle, which measures horizontal angles, to capture X,Y and Z coordinates for a complete 3D mapping system: Includes the TruPulse 200 (grey), MapStar TruAngle brackets and soft sides case.

The MapStar LPS Kits Will Be Shipped Fully Assembled And Placed Into Product Case.



#### MapStar LPS 13

Part No: 7035133

E1 Desc: KIT,MAPSTAR LPS 13:TA/TP200B

MapStar Laser positioning Kit integrates a lower cost laser rangefinder with Bluetooth and TruAngle, which measures horizontal angles, to capture X,Y and Z coordinates for a complete 3D mapping system: Includes the TruPulse 200B (yellow), MapStar TruAngle brackets and soft sides case.

The MapStar LPS Kits Will Be Shipped Fully Assembled And Placed Into Product Case.



#### MapStar LPS 14

Part No: 7035134

E1 Desc: KIT,MAPSTAR LPS 14:NSTA.TP360B

MapStar Laser positioning Kit integrates a laser compass rangefinder and TruAngle, which measures horizontal angles, to capture X,Y and Z coordinates for a complete 3D mapping system: Includes the TruPulse 306B (grey), MapStar TruAngle brackets and soft sides case.

The MapStar LPS Kits Will Be Shipped Fully Assembled And Placed Into Product Case.



#### MapStar LPS 15

Part No: 7035158

E1 Desc: KIT,MAPSTAR LPS 15:MSTA/TP360R

MapStar Laser positioning Kit integrates a ruggedized laser rangefinder and TruAngle, which measures horizontal angles, to capture X,Y and Z coordinates for a complete 3D mapping system: Includes the TruPulse 360R, MapStar TruAngle brackets and soft sides case.

The MapStar LPS Kits Will Be Shipped Fully Assembled And Placed Into Product Case.





## MapStar

### MapStar Laser Positioning Systems (LPS)

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#### Mapstar LPS 16

Part No: 7035159

E1 Desc: KIT,MAPSTAR LPS 16:MSTA/TP200X

MapStar Laser positioning Kit integrates the highest accuracy laser rangefinder and TruAngle, which measures horizontal angles, to capture X,Y and Z coordinates for a complete 3D mapping system: Includes the TruPulse 200X, MapStar TruAngle brackets and soft sides case.

The MapStar LPS Kits Will Be Shipped Fully Assembled And Placed Into Product Case.



## Software Solutions

### Log Deck Software Solutions

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#### Log Deck Volume & Data Collector Software Solution

Part No: 7035138

E1 Desc: LOG DECK VOL DATA COL SOFT SOL

Log Deck Volume software data collector solution that instantly generates the log deck length and area as well as calculates the MBF for specified log species and diameters

Includes: Log Deck Volume software, manual and BAP data collector.



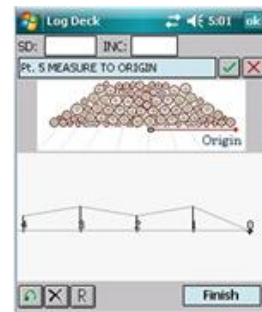
#### Log Deck Volume Software w/ User Manual (WM6 Only)

Part No: 3204709

E1 Desc: SOFTWARE,LOG DECK VOLUME,V1.2

Windows Mobile software for easy solution to instantly generate the deck length and area as well as calculate the MBF for specified log species and diameters.

Log Deck software installation CD w/ manual



### Face Profiler Software Solution

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#### Face Profiler & Data Collector Software Solution

Part No: 7034700

E1 Desc: Face Profiler Data Coll SW Sol

Blast Analysis/Profile Software Data Collector Solution for field data collection in 2D laser profiling as an aid to Blast Design.

Includes: Face Profiler software, manual and BAP data collector.



## Software Solutions

### Mining Software Solutions

#### Face Profiler & Data Collector Software Solution

Part No: 7034700

E1 Desc: Face Profiler Data Coll SW Sol

Blast Analysis/Profile Software Data Collector Solution for field data collection in 2D laser profiling as an aid to Blast Design.

Includes: Face Profiler software, manual and BAP data collector.



#### Face Profiler Software

Part No: 7034695

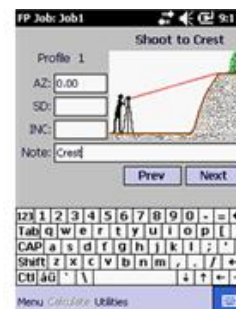
E1 Desc: Face Profiler Package

Windows Mobile software for field data collection in 2D laser profiling as an aid to Blast Design.

Face Profiler software installation CD w/ manual

Key Features:

- Visual Icons
- Identify Stemming Depths
- Actual Toe
- Minimum and Optimum Burdens
- Reports



### Mapping / GIS Software Solutions

#### LaserGIS For ArcPad Software

Part No: 3204704

E1 Desc: SOFTWARE, LaserGIS for ArcPad

Software extension that significantly enhances ArcPad®'s current laser offset functionality and seamlessly integrates with your LTI laser.

Download a demo version that will run 20 minutes 20 times from our webpage.

Key Features:

- Connect your TruPulse 360 and configure your options within seconds
- Easily record laser offset data with or without GPS using an existing ArcPad® map or from a template
- Use "Quick Traverse" to map and calculate an area as well as determine your % error of closure
- Toggle on "Rapid Fire" to map multiple targets without ever touching your data collector





## Software Solutions

### Mapping / GIS Software Solutions

#### MapSmart & Data Collector Software Solution

Part No: 7034757

E1 Desc: KIT,MAPSMART DATA COL SOFT SOL

Mapping / GIS Software Data Collector Solutions field survey data collection. Includes modules for Area and Traverse Closure calculation.

Includes: MapSmart software, manual and BAP data collector.



#### MapSmart Software

Part No: 7035103

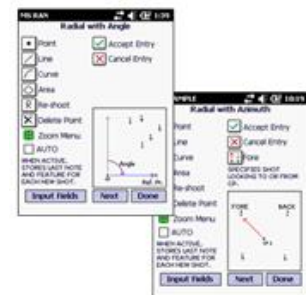
E1 Desc: MAPSMART SOFTWARE & USER GUIDE

Windows Mobile software for field survey data collection. Includes modules for Area and Traverse Closure calculation.

MapSmart software installation CD and manual.

Key Features:

- Simplified menus for ease-of-use
- Choose from several mapping methods
- Calculate Area and Traverse Closure
- Generate output files for download to PC



#### Mapsmart w/ Volume & Data Collector Software Solution

Part No: 7035106

E1 Desc: KIT,MAPSMART VOLUMETRICS PKG

Mapping / GIS Software Data Collector Solutions with Volume module for field survey data collection which can also calculate the volume of stockpiled material.

Includes: MapSmart w/ Volume module software, manual and BAP data collector.



#### Volume Module For MapSmart

Part No: 3204692

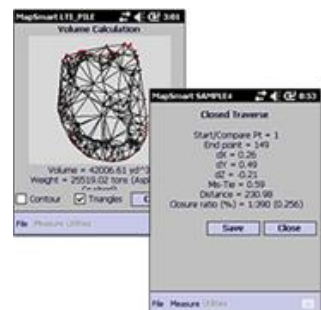
E1 Desc: SOFTWARE,CODE,VOLUMETRICS MAPS

Volume module for MapSmart Software allows an additional calculation for the volume of stockpiled material.

Software & manual provided with MapSmart purchase. License Key is required to activate.

Key Features:

- Simplified menus for ease of use
- Choose from several mapping methods
- Calculate Area & Traverse Closure
- Additional calculation for Volume



## Software Solutions

### Utility Software Solutions

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#### T&D Pro & Data Collector Software Solution

Part No: 7034745

E1 Desc: KIT, T&D PRO DATA COL SW SOL

Data collector and Windows Mobile software for T&D field measurements such as Span, Sag, Tension, Clearance and Tie-line Bisection.

Includes: BAP data collector and T&D Pro software installation CD with manual.



#### T&D Pro Software

Part No: 7034744

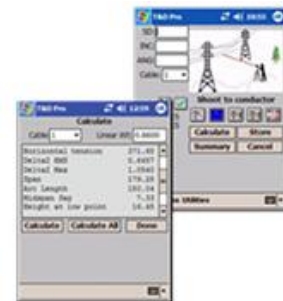
E1 Desc: T&D PRO SOFTWARE POCKET PC

Windows Mobile software for T&D field measurements such as Span, Sag, Tension, Clearance and Tie-line Bisection.

T&D Pro software installation CD and manual.

Key Features:

- Simplified menus and options for ease of use
- Calculate Span, Sag & Tension
- Vegetation and roadway clearances
- Download report files to PC



## Hardware Packages

### Hardware Support Packages

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#### Rotating Tribrach Deluxe Hardware Support Package

Part No: 7034752

E1 Desc: Mapstar CM Deluxe Hardware Sup

Mounting package for Impulse/CM with tripod and tribrach

Includes: Survey tripod, rotating tribrach adaptor, tribrach, pole clamp and BAP/Flint/Juno cradle.



#### Staff/Bi-Pod Hardware Support Package

Part No: 7034751

E1 Desc: Mapstar CM Hardware Support Pa

Mounting package for Impulse/CM with staff and bipod legs

Includes: LTI staff, bipod legs and BAP/Flint/Juno cradle.



## Hardware Packages

### Hardware Support Packages

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#### TruAngle Deluxe Hardware Support Package

Part No: 7034753

E1 Desc: Mapstar AE Staff Hardware Supp

Mounting package for Impulse and TruAngle with staff and bi-pod legs

Includes: LTI staff, bipod legs, 5/8" staff quick release and BAP/Flint/Juno cradle.



#### TruAngle Tripod Deluxe Hardware Support Package

Part No: 7034755

E1 Desc: Mapstar AE Deluxe Hardware Sup

Mounting package for Impulse and TruAngle with tripod and tribrach

Includes: Survey tripod, fixed tribrach adapter, tribrach, pole clamp and BAP/Flint/Juno cradle.



#### TruAngle Tripod Hardware Support Package

Part No: 7034754

E1 Desc: TruAngle Hardware Support Pkg

Mounting package for Impulse and TruAngle with tripod

Includes: Survey tripod, pole clamp and BAP/Flint/Juno cradle.



#### TruPulse Deluxe Compact Tripod Assembly

Part No: 7035140

E1 Desc: DELUXE COMPACT TRIPOD ASSY,TP

Mounting package for TruPulse models with compact tripod

Includes: Compact non-magnetic tripod, TruPulse/Impulse yoke (Lbracket), pole clamp and BAP/Flint/Juno cradle.

## Hardware Packages

### Hardware Support Packages

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#### TruPulse MapStar TruAngle Assembly

Part No: 7035141

E1 Desc: ASSY,TRUPULSE,MAPSTAR,TRUANGLE

Mounting package for TruPulse and TruAngle with compact tripod

Includes: Compact tripod, 5/8x11 to 1/4-20 insert (TruAngle), pole clamp and BAP/Flint/Juno cradle.

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#### TruPulse/Impulse Deluxe Hardware Support Package

Part No: 7034749

E1 Desc: DELUXE HARDWARE SUPPORT,TP/IMP

Mounting package for the TruPulse/Impulse laser series with bi-pod legs

Includes: LTI staff, bi-pod legs, TruPulse/Impulse yoke (L Bracket), brass adaptor and BAP/Flint/Juno cradle.



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#### TruPulse/Impulse Staff Hardware Support Package

Part No: 7034748

E1 Desc: STAFF HARDWARE SUPPORT,TP/IMP

Mounting package for TruPulse/Impulse laser series

Includes: LTI staff, TruPulse/Impulse yoke (L Bracket), brass adaptor and BAP/Flint/Juno cradle.



## Data Collectors

### Data Collectors

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#### BAP S810C Data Collector

Part No: 3255052

E1 Desc: BAP PRECISION,HANDHELD,MOBILE

Data Collector for our Software Solutions. F4 Devices custom version QVGA Flint handheld made especially for LTI for use with our products.

All LTI products will communicate seamlessly to the BAP data collector using either Bluetooth or the optional Serial/USB cable: QVGA DISPLAY, Bluetooth Only, No GPS

Key Features:

- Operating System: Windows Mobile 6.5 Classic
- Processor: 800MHz
- Memory: 256MB SDRAM
- Bluetooth
- Camera: 3M pixel auto focus



## Data Collectors

### Data Collectors

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#### Flint S812C Data Collector

Part No: 3255057

E1 Desc: FLINT,HANDHELD,MOBILE DEVICE

Data Collector for our Software Solutions. F4 Devices custom version VGA Flint handheld made especially for LTI for use with our products. This unit has a VGA display for higher resolution and crisper images.

All LTI products will communicate seamlessly to the BAP data collector using either Bluetooth or the optional Serial/USB cable: VGA Display, Bluetooth Only, No GPS

#### Key Features:

- Operating System: Windows Mobile 6.5 Classic
- Processor: 800MHz
- Memory: 256MB SDRAM
- Bluetooth
- Camera: 3M pixel auto focus