

## 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



## 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 small light weight design with a simplistic user interface, 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 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.

- capture X, Y and Z coordinates for complete 3D mapping
- In-scope data and menu display
- Permits easy viewing of all your measurements on the custom backlit LCD display
- Offers dual serial ports for communication in from the laser and out to data collectors



## MapStar

### MapStar Laser Positioning Systems (LPS)

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#### 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.

- capture X, Y and Z coordinates for complete 3D mapping
- Permits easy viewing of all your measurements on the custom backlit LCD display
- Bluetooth® Encoder Loop communication



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#### MapStar LPS 14

Part No: 7035134

E1 Desc: KIT,MAPSTAR LPD 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 360B (grey), MapStar TruAngle brackets and soft sides case.

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

- capture X, Y and Z coordinates for complete 3D mapping
- In-scope data and menu display
- Bluetooth® Encoder Loop communication



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#### 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.

- capture X, Y and Z coordinates for complete 3D mapping
- Rugged & Waterproof Design with the TruPulse 360R
- Bluetooth® Encoder Loop communication



## MapStar

### MapStar Laser Positioning Systems (LPS)

#### 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.

- capture X, Y and Z coordinates for complete 3D mapping
- Achieves the highest distance and inclination accuracy
- Adjusts to any lighting conditions using the in-scope LED display
- Bluetooth® Encoder Loop communication



## Software Solutions

### Log Deck Software Solutions

#### 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 Archer 2 data collector.

- Track "just in time" inventory as it comes in and out
- Instantly generate deck length and area
- Calculate MBF for specified log species & diameters
- Get accurate and repeatable results



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

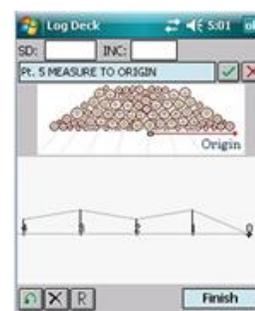
Part No: 3204709

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

- Track "just in time" inventory as it comes in and out
- Instantly generate deck length and area
- Calculate MBF for specified log species & diameters
- Get accurate and repeatable results



## Software Solutions

### 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 Archer 2 data collector.

Key Features:

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



### Mining Software Solutions

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#### 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



#### 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 Archer 2 data collector.

Key Features:

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



## Software Solutions

### Mapping / GIS Software Solutions

#### MapSmart Software

Part No: 7035103

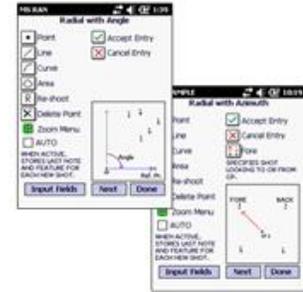
E1 Desc: MAPSMART SOFTWARE & USER GUIDE

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



#### Volume Module For MapSmart

Part No: 3204692

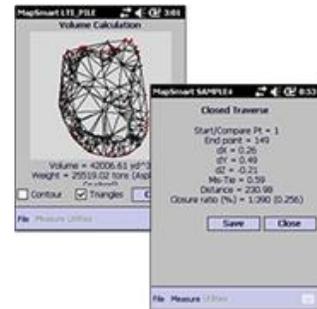
E1 Desc: SOFTWARE, CODE, VOLUMETRICS MAPS

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



#### 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 Archer 2 data collector.

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



## Software Solutions

### Mapping / GIS Software Solutions

#### 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 Archer 2 data collector.

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



#### 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



### Utility Software Solutions

#### T&D Pro Software

Part No: 7034744

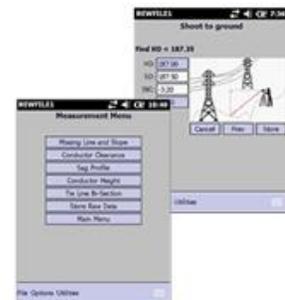
E1 Desc: T&D PRO SOFTWARE POCKET PC

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



## 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: Archer 2 data collector and T&D Pro software installation CD with manual.



## 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 TruPulse/TruAngle with tripod and tribrach

Includes: Survey tripod, rotating tribrach adaptor, tribrach, pole clamp and Archer 2 Data Collector cradle.



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

Part No: 7034751

E1 Desc: Mapstar CM Hardware Support Pa

Mounting package for TruPulse/TruAngle with staff and bipod legs

Includes: LTI staff, bipod legs and Archer 2 Data Collector cradle.



#### TruAngle Deluxe Hardware Support Package

Part No: 7034753

E1 Desc: Mapstar AE Staff Hardware Supp

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

Includes: LTI staff, bipod legs, 5/8" staff quick release and Archer 2 Data Collector cradle.



## Hardware Packages

### Hardware Support Packages

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#### TruAngle Tripod Deluxe Hardware Support Package

Part No: 7034755

E1 Desc: Mapstar AE Deluxe Hardware Sup

Mounting package for TruPulse and TruAngle with tripod and tribrach

Includes: Survey tripod, fixed tribrach adapter, tribrach, pole clamp and Archer 2 Data Collector cradle.



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#### TruAngle Tripod Hardware Support Package

Part No: 7034754

E1 Desc: TruAngle Hardware Support Pkg

Mounting package for TruPulse and TruAngle with tripod

Includes: Survey tripod, pole clamp and Archer 2 Data Collector cradle.



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#### 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 Archer 2 Data Collector cradle.



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#### TruPulse Deluxe Hardware Support Package

Part No: 7034749

E1 Desc: DELUXE HARDWARE SUPPORT,TP/IMP

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

Includes: LTI staff, bi-pod legs, TruPulse yoke (L Bracket), brass adaptor and Archer 2 Data Collector 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 Archer 2 Data Collector 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 laser series

Includes: LTI staff, TruPulse yoke (L Bracket), brass adaptor and Archer 2 Data Collector cradle.



## Data Collectors

### Data Collectors

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#### Archer 2 STD WiFi/BT Data Collector

Part No: 3255090

E1 Desc:

Rugged handheld data collector to combine with LTI products for a complete collection solution.

Key Features:

- Rugged IP68 construction
- Microsoft® Windows Embedded Handheld 6.5.3
- 512MB RAM & 8GB flash storage
- Built-in 1D/2D barcode scanner
- Bluetooth®, Wi-Fi®, cell modem, serial & USB connectivity

