

TRUPULSE® L2 LASER RANGEFINDER

Customer Product Introduction

🕒 MON - FRI 8am - 4pm WST

☎ 08 9335 1718

✉ team@laserman.com.au

📍 60 Knutsford Street Fremantle WA 6160

🌐 www.laserman.com.au



Sales and Service Since 1997

About Laser Tech



ISO Certified: Quality through Innovation and Dedication



Over 35 Years in Business



Superior Service/Support



Rich Patent Portfolio



Extensive Dealer Network

- Laser Tech's flagship products are engineered with pulse-laser technology (a.k.a. reflectorless measurement technology) resulting in the ability to measure distances. We also specialize in tilt and compass sensors, allowing you to measure heights and azimuth bearings.
- In addition to delivering accurate, efficient measurement hardware, LTI recognized a need to provide overall task-specific solutions through data collection App development. LaserSoft® Apps developed for specific vertical markets can record laser measurement for documentation.

New “TruPulse® L2” Model

TRUPULSE® SERIES

Compact, Powerful and Versatile Laser Rangefinders

Laser Tech released the TruPulse product line 17 years ago, the most successful Professional Measurement product for Laser Tech. Our next generation TruPulse models take laser measurement to another level with performance, durability, and user experience

CONTENTS

- Overview
- Features & Specifications
- Laser 101 / Measurement Routines
- Design
- “What’s in the Box”
- Accessories
- Markets
- Resources

TruPulse L2

- **Introducing our newest TruPulse model:**
 - The TruPulse L2 versatile handheld laser measures much more than just range. Measure slope distance and inclination angle and calculate horizontal distance, vertical distance, height and 2D vertical missing line values.
 - The TruPulse L2 is more accurate and provides calculations not found on recreational rangefinders giving you the ability to produce professional results.
 - Compact, lightweight and designed for the Professional field users.



TruPulse L2 Key Features

Key Features:

- Faster acquisition and greater accuracy means confidence, efficiency and safety
- Physical, Visual and Audible feedback on target acquired
- Advanced Targeting Modes (Closest, Farthest, Continuous and Filter)
- Easy to hold, lightweight, Rubberized grips, Button tactile feedback
- Quick Access Menu and Icon driven display
- Intelligent brightness display: 100% automatic no need to adjust brightness manually.
- Reticle Options
- 5 Intuitive User Interface and workflows



TruPulse® L2

TRUPULSE L2 SPECIFICATIONS

- Distance Accuracy to Typical Targets: Range +/- 0.5m (1.6 ft)
- Distance Accuracy to Weak Targets: ± 1 m (3 ft)
- Max Range to Reflective Targets: 2200 m (7200 ft)
- Max Range to Non-Reflective Targets: 1200 m (3900 ft)
- Min Range: 5 m (16 ft)
- Inclination Accuracy: +/- 0.5 Degrees Relative
- Range Display Resolution: 0.1 m, 0.5 ft
- Scope Magnification: 5X magnification
- Display Color: Adaptive (Black/Red), Auto or Manual
- Battery: One CR2; 10hrs Typical use
- Environmental IP Rating: IP67: Water & Dust Proof

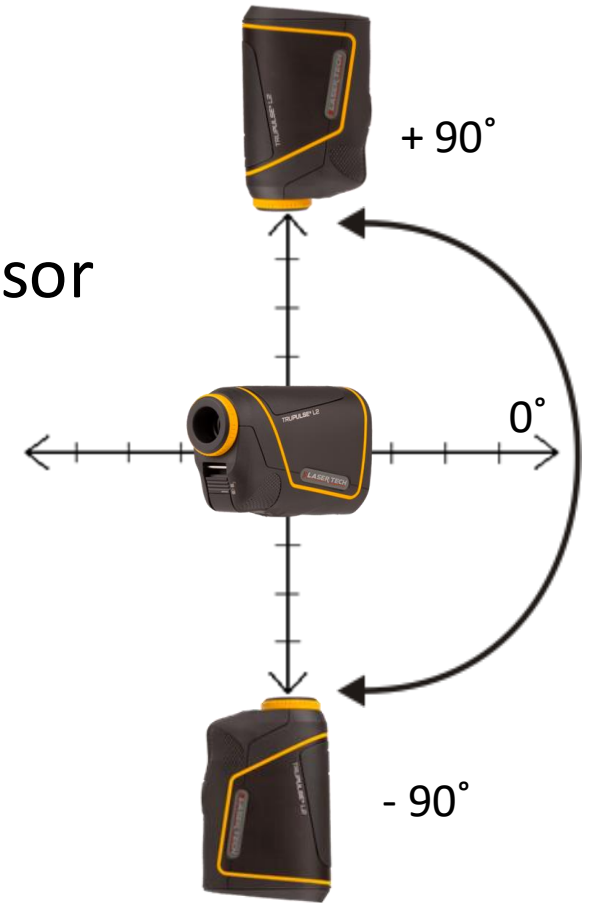
**Specifications are subject to change from the evaluation and continued testing.*

Laser 101

Laser Sensor



Tilt Sensor



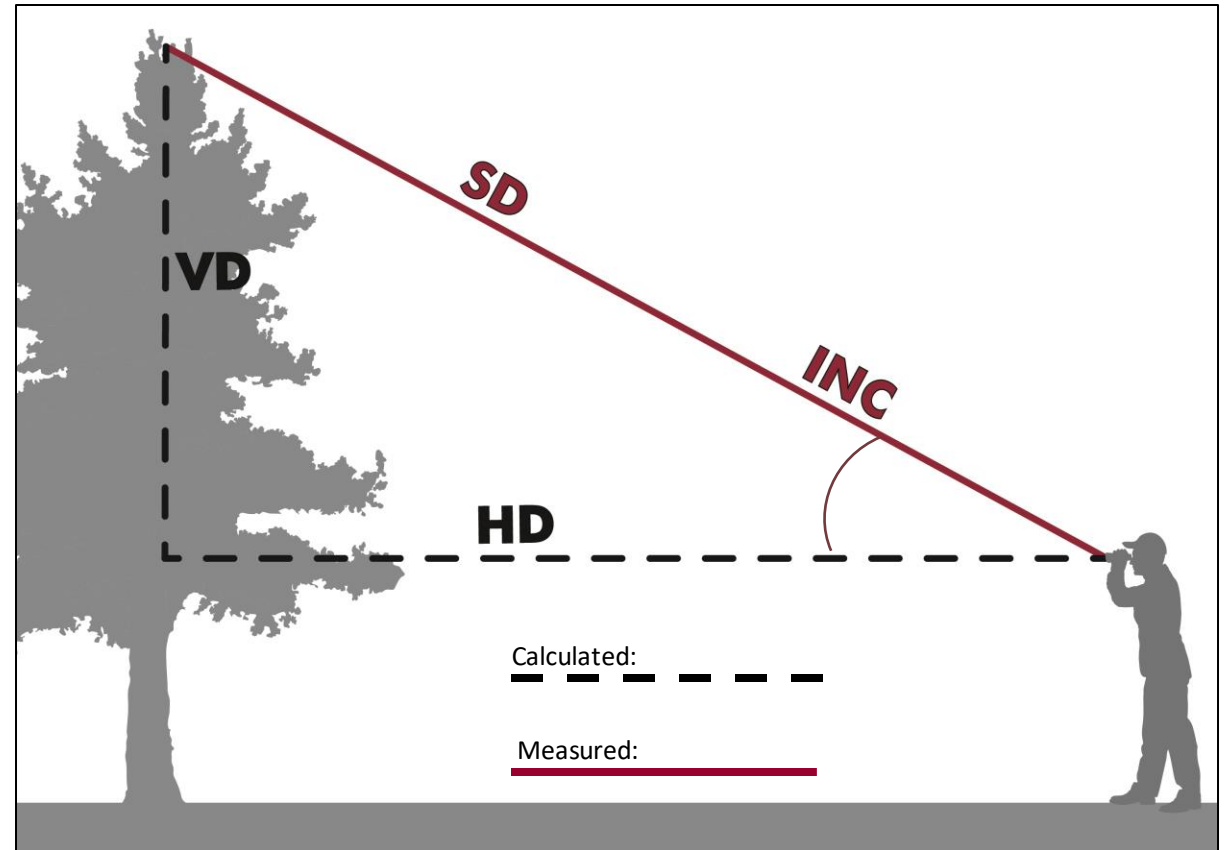
Distance Measurement

Sensors Measure:

- Laser → SD (Slope Distance)
- Tilt → INC (Degree of Inclination)

Auto Calculates:

- VD = Vertical Distance
- HD = Horizontal Distance



3-Pt Height

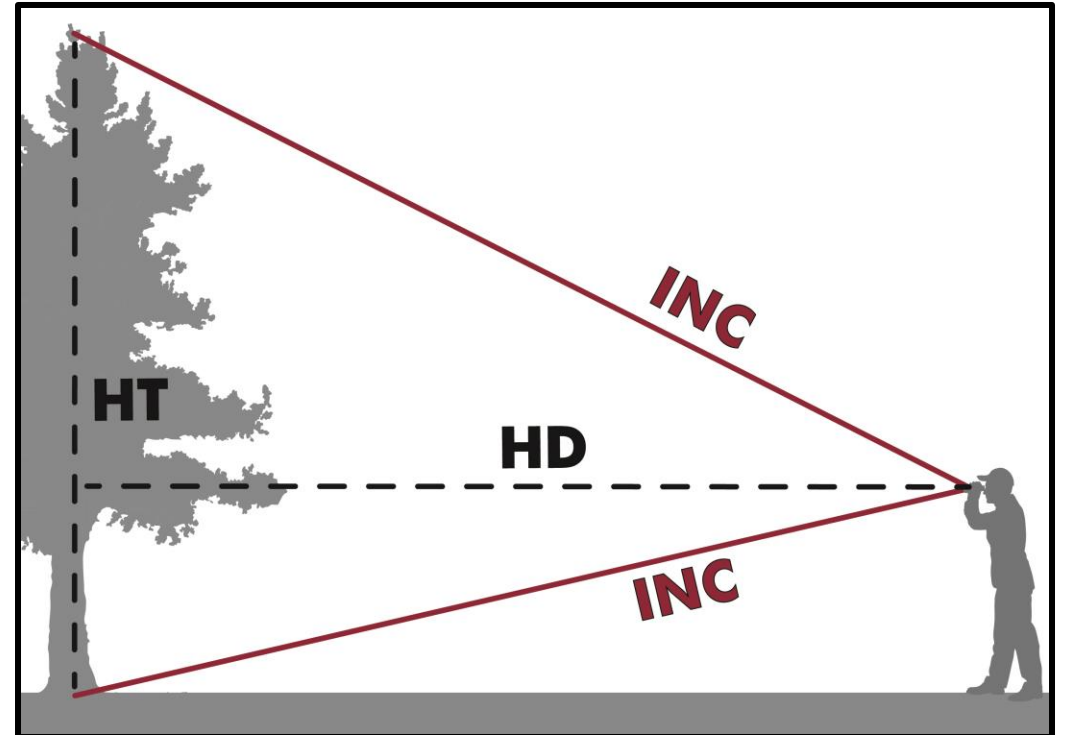
Height Measurements involve a simple routine that prompts you to take 3 shots to the target

1. Horizontal Distance,
2. Inclination Angle_1
3. Inclination Angle_2.

The TruPulse L2 uses these results to calculate the height of the target.

Tips:

- This routine is ideal for flat, vertical objects that do not lean. To shoot through brush, use the filter mode, foliage filter and a reflector.
- The laser sensor does not measure when taking the two inclination angle measurements.
- The sequence of the two inclination angles shots does not matter: Bottom to Top OR Top to Bottom.



— Measured by TruPulse
- - - Calculated by TruPulse

2D Vertical Missing Line

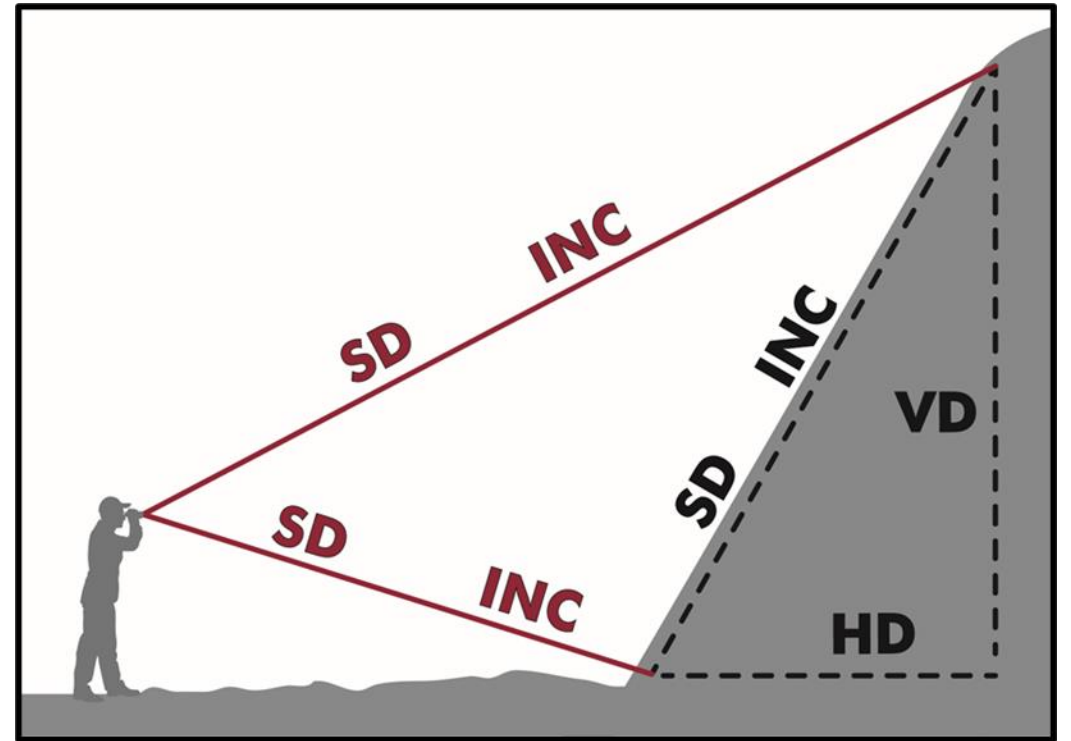
The 2D Missing Line Routine calculates distances and angles to describe the relationship between two points in two-dimensional space (connecting vector).

1. Shot 1
2. Shot 2

The TruPulse L2 uses these results to calculate values between the two points: slope distance, inclination, horizontal distance, and vertical distance from Shot 1 to Shot 2.

Tips:

- Position yourself where shot 1 and 2 are made looking in the same direction with a clear line of site to both targets.
- The VD solution will always be accurate no matter which direction shot 1 and 2 are taken.
- If Shot 1 is longer and higher than Shot 2, the VD value will be negative.



— Measured by TruPulse
- - - Calculated by TruPulse

Design




Button Layout

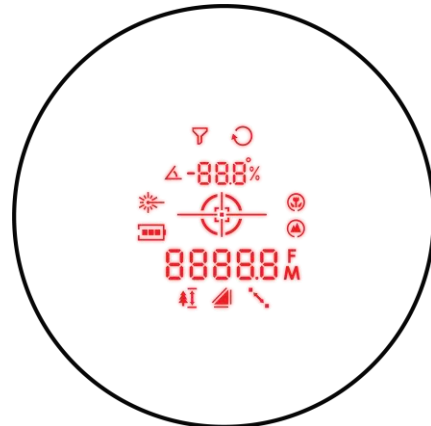


A. Fire Button	E. Laser Transmit Lens	I. Tripod Mount
B. Diopter Focus	F. Up Arrow Button	J. Attachment point
C. Eyepiece Lens	G. Display/ Menu Button	K. Battery Door
D. Laser Receive lens	H. Down Arrow Button	L. Battery CR2

Display

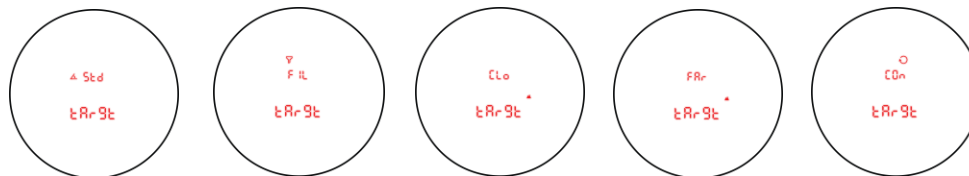
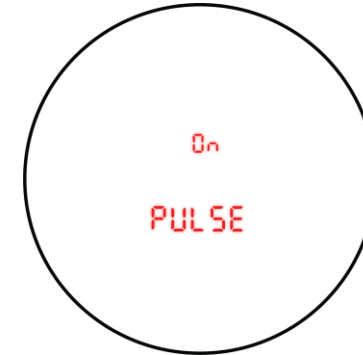
The TruPulse L2 is equipped dual color display and can show information in Red or black.

- PDLC Display: Polymer Dispersed Liquid Crystals
- With a built-in light sensor that reads ambient light. The internal software adjusts the red brightness intensity based on the measured light reading.
- Auto Black/Red display: automatically adjusts brightness levels to assist viewing in all lighting scenarios
- Manually toggle between Black/Red display at anytime. 
- This feature ensures visible readouts in almost any type of environmental conditions.
- The brightness display is 100% automatic no need to adjust brightness manually.



TruTargeting

- Feedback Acquired target
 - Physical, Visual and Audible feedback on target acquired
 - Physical: When a target is acquired, the unit will “Pulse” (Vibrate).
 - Audible: The pulse motor makes a “buzz” noise at the same time.
 - Visual: The measurement results in the display will flash
- Targeting Modes
 - The TruPulse L2 has five Target Modes which allow you to select or eliminate targets and to take the most accurate measurements possible in various field conditions.
 - Standard; Closest, Farthest, Filter & Continuous



“What is in the Box”



LASER TECH

To access Professional Measurement Product Solutions User's Manuals, Accessory information, LaserSoft® Apps, and any other documentation, please visit:

 www.lasertech.com/laser-distance-measurement

and then navigate to the appropriate product solution and then "Downloads"

Phone: +1.303.649.1000 Email: service@lasertech.com
Address: 6912 S. Quentin St, Suite A, Centennial, CO 80112, USA

©LTI 2022 0144972 Rev 02 07/27/22

LASER TECH

Register your warranty online:

- Registration can't be lost or damaged in the mail
- Save time, effort and postage

Online Warranty Registration:
www.lasertech.com/warranty



Customer Support / Service

Phone: 1.303.649.1000
1.877.696.2584 (North America)

Fax: 1.303.649.9710

Email: servicecenter@lasertech.com

Corporate Address:
Laser Technology, Inc.
6912 South Quentin Street, Suite A
Centennial, CO 80112 USA

Support, FAQ & Tech Documents:
www.lasertech.com/traffic-safety-products

RMA Request:
www.lasertech.com/product-service-and-repair-request

PLEASE AFFIX PROPER POSTAGE HERE

Accessories

- Mounting Bracket #7025077
 - Mounting Options



- Foliage Filter #7204833



- Carrying Case #3124709



TruPulse L2 Markets

Vertical Markets:

- Construction: Crane Positioning
- Forestry: Tree Heights
- Utilities: Vegetation Management
- Telecom: Wireless, Clearances
- Drone: Pre-Flight Planning



Product Resources

Stay Informed! Find out about Laser Tech products, updates, and training resources by keeping track of us on FaceBook, Twitter, YouTube, and at lasertech.com.

LASERTECH® CONDUCTOR CLEARANCE APP
ON ANDROID
Field Data Collection Program.

Measure clearance and height of conductor wires easily, safely and accurately.

***Free on Google Play

Overview

LaserTech Conductor Clearance for Android App
Quicker, Safer, and Easier Measurements

LTI's app for utility professionals is used to measure the clearance and height of conductor wires. There is no need to drag around measuring wheels, height sticks or bulky, expensive total stations. Just grab a Tri-Polar Laser and the Conductor Clearance app and you're ready to hit the field!

Key Features

- Generate reports in PDF, TIF or CSV file formats, no format for data processing.
- Conductor height procedures to verify clearance over a steadily rising or falling line or above the high-tension line.
- Conductor Clearance requires to identify trees that are in danger of hitting the wire, save time & \$!
- Measuring Line of Position (LOP) workflow for measuring the distance and angle between any two points.
- Point-to-Line requests for calculating the distance and angle between a point and a line segment.
- Transmitted Laser and GPS information options.

Download on the Google Play Store

Download

LaserTech Conductor Clearance App for Android Structure
Conductor Clearance for Android User Guide

Product Catalogs

LTI Products PDF
LTI Accessories PDF

LASER TECH

LaserTechPro

Home Videos Products Downloads About

Updates

- EMR Uses LTI's Tri-Polar to Help Expand Local Hospital in Topoguse Republic**
2 weeks ago · 10 views
Engineering Minister International uses LTI's Tri-Polar to provide design services for a local hospital in the...
- Welding in Action**
7 months ago · 22 views
Bringing a wide area measurement during field design to ground, which is why our laser design/field team...
- Log Deck Volume Training for Tri-Polar 300 Baseline Method**
12 months ago · 41 views
Laser Technology's Log Deck Volume Solution allows you to measure and reliably determine the deck height...

Work with us

Laser Technology

Professional base jumpers need LTI laser rangefinders tool

Base jump & Wings - 100% Satisfaction

Register to attend - closed spots & tickets available for Professional base jumpers

LTI's authorized dealers are at
@Elexdata @Selerinf @WDS_US

Documentation

- Quick Reference Guide #0145007
 - Insert in packaging with QR code, directly to webpage
 - Available on TruPulse L2 Webpage “Downloads” tab

- User’s Manual
 - Insert in packaging with QR code, directly to webpage
 - Available on TruPulse L2 Webpage “Downloads” tab



🕒 MON – FRI 8am – 4pm WST
☎ 08 9335 1718
✉ team@laserman.com.au
📍 60 Knutsford Street Fremantle WA 6160
🌐 www.laserman.com.au

