



# TRUPULSE<sup>®</sup> LASER SERIES

- + Distance
- + Height
- + Azimuth
- + 2D Slope Grade
- + 3D Missing Line
- + Laser Mapping
- + Remote Positioning
- + GPS / GNSS Laser Offsets



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**Laser**man  
TECHNOLOGIES  
*measuring solutions*

# LTI TruPulse® Laser Series

Laser Technology's dedication to high quality and unmatched innovation has allowed the TruPulse series to withstand the test of time. These highly sophisticated and easy-to-operate laser rangefinders using reflectorless technology are designed to deliver the measurements needed by industry professionals. TruTargeting technology is built into every TruPulse unit, offering the user four targeting modes to choose from and displaying all data values right inside the sighting scope.

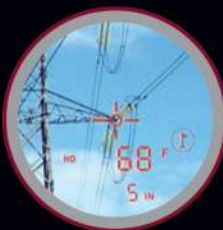
## TruPulse® 200L

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



## TruPulse® 200

- Produces better distance and inclination accuracy
- Increases scope magnification and field of view
- Transfers data via serial port or with Bluetooth® wireless technology\*



### ELECTRIC UTILITIES

- Span, Sag and Tension
- GIS Mapping
- Vegetation Management
- Pole Inventory



### FORESTRY

- Tree Heights
- Buffer Zones
- Engineering Surveys
- Sale Layouts



### NATURAL RESOURCES

- Ecosystem Management
- Watershed Analysis
- Geologic Mapping
- Environmental Surveys

# TruPulse Laser Rangefinder Targeting Modes

- **Closest:** Distinguishes near and far objects and identifies the closest target
- **Farthest:** Distinguishes near and far objects and identifies the farthest target
- **Continuous:** Provides constant updates while shooting multiple targets
- **Filter:** Measures through dense foliage by recognizing only a highly reflective target

## TruPulse® 200X

- Achieves the highest distance and inclination accuracy
- Offers adjustable brightness of the LED display
- Withstands conditions with rugged, waterproof housing



## TruPulse® 360° and 360°R

- Provides full AZ + INC + SD measurement capability
- Solves 3D missing line calculations between two remote points
- Integrates with GPS / GNSS for efficient GIS data capture



### CONSTRUCTION

- Stockpile Volumes
- Site Inspection
- Crane Positioning
- Face Profiling



### TELECOMMUNICATION

- Site Inspection
- Antenna Height
- Obstruction Mapping
- Material Estimation



### PUBLIC WORKS

- Land Use Planning
- Facility Mapping
- Asset Inventory
- Emergency Response

# Measurement Solutions

HD = Horizontal Distance

INC = Inclination

SD = Slope Distance

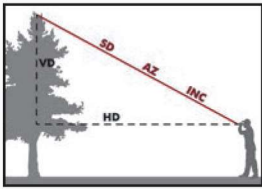
HT = Height

AZ = Azimuth

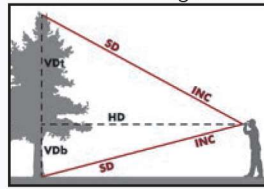
ML = Missing Line

VD = Vertical Distance

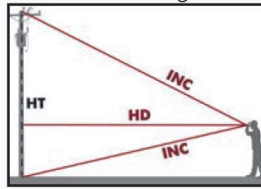
1-Shot HD Mode:



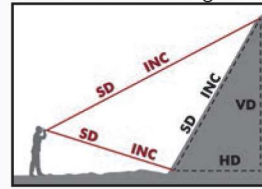
2-Shot Height:



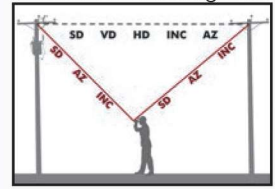
3-Shot Height:



2-Shot 2D Missing Line:



2-Shot 3D Missing Line:



Calculated by TruPulse:

Measured by TruPulse:



## Specifications

	TruPulse® 200L	TruPulse® 200	TruPulse® 200X	TruPulse® 360°	TruPulse® 360°R
Measures Azimuth With TruVector Compass Technology®	No	No	No	Yes	Yes
Calculates SD, HD, VD and INC Between Two Remote Points	Yes	Yes	Yes	Yes, plus AZ	Yes, plus AZ
Distance Accuracy to Typical Targets	± 0.5 m (1.6 ft)	± 0.2 m (8 in)	± 4 cm (1.6 in)	± 0.2 m (8 in)	± 0.2 m (8 in)
Distance Accuracy to Very Distant/Weak Targets	± 1 m (3 ft)	± 1 m (3 ft)	± 4 to 30 cm (1.6 in to 1 ft)	± 1 m (3 ft)	± 1 m (3 ft)
Inclination Accuracy	± 0.5° Relative	± 0.25° Typical	± 0.1° Typical	± 0.25° Typical	± 0.25° Typical
Azimuth Accuracy	N/A	N/A	N/A	± 0.5° RMS, Typical	± 0.5° RMS; Typical
Max Range to Reflective Targets	1750 m (5,740 ft)	2000 m (6,560 ft)	2500 m (8,200 ft)	2000 m (6,560 ft)	2000 m (6,560 ft)
Max Range to Nonreflective Targets	1750 m (5,740 ft)	1000 m (3,280 ft)	1900 m (6,233 ft)	1000 m (3,280 ft)	1000 m (3,280 ft)
RS232 Serial Com Port	No	Yes	Yes	Yes	Yes
Bluetooth® Wireless Technology	No	Windows® + Android®	Windows® + iOS + Android®	Windows® + Android®	Windows® + Android®
Scope Magnification / In-Scope Display Type	4× / LCD	7× / LCD	7× / LED	7× / LCD	7× / LCD
In-Scope Field of View	13.1 m @ 91.5 m away (43 ft @ 300 ft)	10 m @ 91.5 m away (33 ft @ 300 ft)	10 m @ 91.5 m away (33 ft @ 300 ft)	10 m @ 91.5 m away (33 ft @ 300 ft)	10 m @ 91.5 m away (33 ft @ 300 ft)
Environmental	Water-resistant / IP54	Water-resistant / IP54	Water-resistant / IP55	Water-resistant / IP54	Waterproof / IP56
Temperature	-20° to 60° C (-4° to 140° F)	-20° to 60° C (-4° to 140° F)	-20° to 60° C (-4° to 140° F)	-20° to 60° C (-4° to 140° F)	-20° to 60° C (-4° to 140° F)
Battery Type (8 hrs. of continuous use)	(1) CR123A	(2) AA or (1) CRV3	(1) CR123A	(2) AA or (1) CRV3	(1) CR123A
Size L x W x H	11.5 x 10 x 5 cm (4.5 x 4 x 2 in)	12 x 5 x 9 cm (5 x 2 x 3.5 in)	13 x 5 x 11 cm (5.2 x 2.1 x 4.5 in)	12 x 5 x 9 cm (5 x 2 x 3.5 in)	13 x 5 x 11 cm (5.2 x 2.1 x 4.5 in)
Weight	220 g (8 oz)	285 g (10 oz)	382 g (13.5 oz)	285 g (10 oz)	385 g (13.6 oz)

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