TruPulse®
LASER SERIES

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

*Bluetooth® wireless technology is a registered trademark of Bluetooth SIG, Inc.
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

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**TruPulse® 200X**

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

**TruPulse® 360º and 360ºR**

- 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
Measurement Solutions

<table>
<thead>
<tr>
<th>Measurements</th>
<th>HD = Horizontal Distance</th>
<th>INC = Inclination</th>
<th>SD = Slope Distance</th>
</tr>
</thead>
<tbody>
<tr>
<td>HT = Height</td>
<td>AZ = Azimuth</td>
<td>ML = Missing Line</td>
<td>VD = Vertical Distance</td>
</tr>
</tbody>
</table>

Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>TruPulse® 200L</th>
<th>TruPulse® 200</th>
<th>TruPulse® 200X</th>
<th>TruPulse® 360°</th>
<th>TruPulse® 360°R</th>
</tr>
</thead>
<tbody>
<tr>
<td>Measures Azimuth With TruVector Compass Technology*</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Calculates SD, HD, VD and INC Between Two Remote Points</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes, plus AZ</td>
<td>Yes, plus AZ</td>
</tr>
<tr>
<td>Distance Accuracy to Typical Targets</td>
<td>± 0.5 m (1.6 ft)</td>
<td>± 0.2 m (8 in)</td>
<td>± 4 cm (1.6 in)</td>
<td>± 0.2 m (8 in)</td>
<td>± 0.2 m (8 in)</td>
</tr>
<tr>
<td>Distance Accuracy to Very Distant/Weak Targets</td>
<td>± 1 m (3 ft)</td>
<td>± 1 m (3 ft)</td>
<td>± 4 to 30 cm (1.6 in to 1 ft)</td>
<td>± 1 m (3 ft)</td>
<td>± 1 m (3 ft)</td>
</tr>
<tr>
<td>Inclination Accuracy</td>
<td>± 0.5° Relative</td>
<td>± 0.25° Typical</td>
<td>± 0.1° Typical</td>
<td>± 0.25° Typical</td>
<td>± 0.25° Typical</td>
</tr>
<tr>
<td>Azimuth Accuracy</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>± 0.5° RMS, Typical</td>
<td>± 0.5° RMS, Typical</td>
</tr>
<tr>
<td>Max Range to Reflective Targets</td>
<td>1750 m (5,740 ft)</td>
<td>2000 m (6,560 ft)</td>
<td>2500 m (8,200 ft)</td>
<td>2000 m (6,560 ft)</td>
<td>2000 m (6,560 ft)</td>
</tr>
<tr>
<td>Max Range to Nonreflective Targets</td>
<td>1750 m (5,740 ft)</td>
<td>1000 m (3,280 ft)</td>
<td>1900 m (6,233 ft)</td>
<td>1000 m (3,280 ft)</td>
<td>1000 m (3,280 ft)</td>
</tr>
<tr>
<td>RS232 Serial Com Port</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Bluetooth® Wireless Technology</td>
<td>No</td>
<td>Windows® + Android®</td>
<td>Windows® + iOS + Android®</td>
<td>Windows® + Android®</td>
<td>Windows® + Android®</td>
</tr>
<tr>
<td>Scope Magnification / In-Scope Display Type</td>
<td>4× / LCD</td>
<td>7× / LCD</td>
<td>7× / LED</td>
<td>7× / LCD</td>
<td>7× / LCD</td>
</tr>
<tr>
<td>In-Scope Field of View</td>
<td>13.1 m @ 91.5 m away (43 ft @ 300 ft)</td>
<td>10 m @ 91.5 m away (33 ft @ 300 ft)</td>
<td>10 m @ 91.5 m away (33 ft @ 300 ft)</td>
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<td>10 m @ 91.5 m away (33 ft @ 300 ft)</td>
</tr>
<tr>
<td>Environmental</td>
<td>Water-resistant / IP54</td>
<td>Water-resistant / IP54</td>
<td>Water-resistant / IP55</td>
<td>Water-resistant / IP54</td>
<td>Waterproof / IP66</td>
</tr>
<tr>
<td>Temperature</td>
<td>-20° to 60° C (-4° to 140° F)</td>
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</tr>
<tr>
<td>Battery Type (8 hrs. of continuous use)</td>
<td>(1) CR123A</td>
<td>(2) AA or (1) CRV3</td>
<td>(1) CR123A</td>
<td>(2) AA or (1) CRV3</td>
<td>(1) CR123A</td>
</tr>
<tr>
<td>Size L x W x H</td>
<td>11.5 x 10 x 5 cm (4.5 x 4 x 2 in)</td>
<td>12 x 5 x 9 cm (5 x 2 x 3.5 in)</td>
<td>13 x 5 x 11 cm (5.2 x 2.1 x 4.5 in)</td>
<td>12 x 5 x 9 cm (5 x 2 x 3.5 in)</td>
<td>13 x 5 x 11 cm (5.2 x 2.1 x 4.5 in)</td>
</tr>
<tr>
<td>Weight</td>
<td>220 g (8 oz)</td>
<td>285 g (10 oz)</td>
<td>382 g (13.5 oz)</td>
<td>285 g (10 oz)</td>
<td>385 g (13.6 oz)</td>
</tr>
</tbody>
</table>

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