

TruPulse® 360i Application Sheet

Superior Laser Performance

The TruPulse® 360i laser rangefinder modernizes the original TruPulse® 360° and 360°R with a streamlined intuitive interface and offers the user increased accuracy in measurements.

PN: 7005855

How the TruPulse Measures Up

This must-have tool makes all the measurements you've come to expect: slope distance, inclination, and azimuth; calculated horizontal, vertical distances, height and 3D missing line values. As the next-generation of the original TruPulse, you will find increased accuracy and versatile connectivity with the BT Dual Mode. Advanced Targeting Modes are also on board offering Closest, Farthest, Continuous, and Filter options with TruTargeting technology - ensuring the highest available accuracy.



PRIMARY APPLICATIONS

Utilities and Construction: Pole Audit, Vegetation Management

Vegetation Management:

- Measure height of danger trees and encroaching vegetation to wires
- Conductor clearances over roadway
- Simple mid-point sag
- Wire separation

Pole Audit Use:

- Attachment Heights (HOA)
- Pole Lean
- Guy Wire lengths
- Pole to Pole span

Construction: Site Inspections

- **Crane Positioning**
 - Measure boom tip heights
 - Clearances to power lines
- **Measure site elevations & slope grades**

Mining: Stockpile Volume

- Measure stockpile volume of aggregate, coal, wood chips, asphalt, or any other inventory
- Capture new advance on a mine wall with shots from a safe location

GIS/GNSS: Laser Offset Mapping

- Capture remote assets with a single shot using the Range-Azimuth method
- Measure the height, width, or clearance of features from any safe location

Forestry: Engineering/Surveys

- Conduct boundary surveys under canopy for timber sale acreage
- Road and culvert construction and removal
- Sample plot layout and stem mapping
- Tree Height and Crown spread

All of these measurements can be taken from any safe location using a TruPulse 360i, with no restrictions.

**PROFESSIONAL
MEASUREMENT**

LASER TECH

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lasertech.com/Professional-Measurement

i-Series rangefinders are made to measure from the ground up. The TruPulse® 360i:

- Auto calculates horizontal and vertical distance, height and 3D missing line values.
- Recognizes conditions that will affect the reliability of the compass accuracy and prompts user to recalibrate.
- Calibrates with a simple field routine that can be completed in less than a minute.
- Produces accurate and repeatable range, inclination & azimuth measurement values.

PRODUCT SPECIFICATIONS

Distance Accuracy	0.1 m < 1,000 m (4 in < 3,280 ft) and to a High-Quality target 0.2 m > 1,000 m (8 in > 3,280 ft) or to a Low-Quality target
Inclination Accuracy	$\pm 0.1^\circ$ @ 0° to $\pm 30^\circ$ 1 σ Typical $\pm 0.2^\circ$ @ $> 30^\circ$ to $\pm 90^\circ$ 1 σ Typical
Azimuth Accuracy	< 1.0° RMS
Performance Range	Distance: 50 cm - 2,500 Meters (20 in - 8,202 ft) Inclination: $\pm 90^\circ$
Display Resolution	Distance: 0.01 = High-Quality Target, 0.1 = Low-Quality Target Inclination: 0.1 degree, 1% Slope
Optics	5X magnification
Display Type	Ultra Bright LED HUD; 5 Brightness levels
Wireless Connectivity	BLE / Classic BT; iOS, Android, and Windows Compatible ¹²³
Battery Type	AA Battery (2)
Battery Duration	Alkaline: Expected Time 6 hrs; Approximately 1,000 measurements Lithium-ion: Expected Time 40 hrs; Approximately 6,300 measurements NOTE: These are sample numbers and can vary based on the specific brand, temperature, usage conditions, and battery quality. Assumes pressing FIRE button every ~20 seconds over BLE
Environmental Rating	IP 67: Waterproof & Dustproof
Operating Temperature	-20°C to +60°C. (-22°F to 140°F)
Size	H = 88mm (3.4"), W = 43.4mm (1.7"), L = 118.3mm (4.6")
Weight	382.6g (13.5oz) with batteries; 337.4g (12 oz) without batteries
Eye Safety	FDA CLASS 1 LASER PRODUCT: Product complies with IEC60825-1 Ed. 3:2014-5 and 21CFR1040.10/11 per Notice 50:2007

***Specifications subject to change without notice**¹iOS is a trademark of Apple Inc. ²Android is a trademark of Google LLC.³Microsoft and Windows are trademarks of the Microsoft Group of Companies**PROFESSIONAL
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