

TRUPOINT™ 300

- + Distance
- + Inclination
- + Horizontal and Vertical Angle
- + Height and Width
- + 2D Slope
- + 3D Missing Line
- + Smart Area
- + Photo Capture
- + Laser Mapping



TruPoint™ 300: The world's most compact and cost-effective total station

This new all-in-one laser rangefinder includes an inclinometer with vertical and horizontal angle encoders. It produces survey-grade distance accuracy and costs thousands less than conventional total stations. The onboard solutions include calculating area and volume, heights, 2D slope and 3D missing line values. Easily collect 3D measurements from a single location into your smart device with LTI's apps.

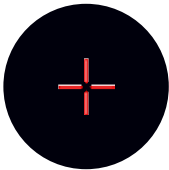
Key Features:



Easily navigate through measurement routines and menus like a smart device with the full-color touch screen display.



Capture a photo of every shot you take that includes raw measurement values and onboard calculations.



Have confidence in your aiming by using the integrated red-dot visual indicator and crosshair with 4-power zoom camera.



Achieve survey-grade distance accuracy with precise tilt and turned horizontal angle measurements.



Collect and store 2D or 3D data with photos in a CAD-friendly (*.dxf) format for professional documentation.



POLE INVENTORY

Get highly accurate separation values of attachment points, line heights, spans and even pole diameters.



INCIDENT MAPPING

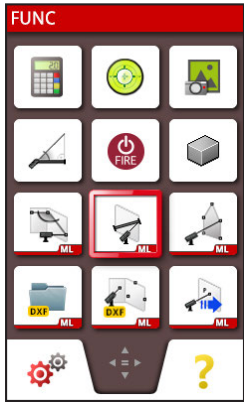
Integrate TruPoint with an LTI app for crash, crime and arson investigations and also perform a crush analysis.



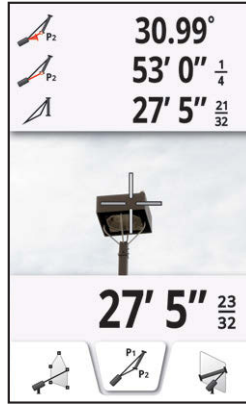
TREE HEIGHTS AND DIAMETER

Quickly and accurately gather tree heights even when the top/leader is not reflective, and also measure the diameter.

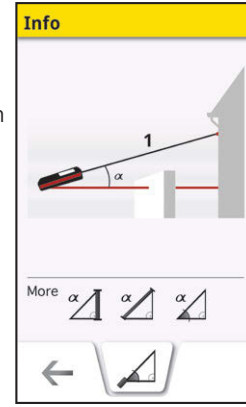
Full-Color Touch Screen Graphical Interface



Enjoy the ease of navigating through the TruPoint measurement functions and submenus with intuitive, touch screen icon-based graphics that will make your work life a lot easier.



When the red-dot laser isn't visible outdoors, use the 4-power magnification camera with cross-hairs to align your measurement point to the target.



Access the help screens anytime for more details and explanations on all the functions, and review any measurement taken at any time.



Extend the compact, self-contained leg base to utilize LTI's MapStar® Angle Technology for complete 3D measurements.

Complete Data Collection

Using the onboard communication, have every measurement automatically download into a smartphone or tablet running any one of LTI's market-specific apps.



Achieve precise aiming with the LAA300, a high-quality laser aiming assist.



Search for "LTI LaserSoft" for the most current LTI apps.



SITE INSPECTIONS

Collect critical grade slope measurements and calculate the area right in the field, and verify safety clearances between any two objects.



CRUSH ANALYSIS

Aim and shoot at all the indentations along the vehicle for a more efficient way to analyze the impact.



STOCKPILE VOLUMES

Connect with an LTI app to calculate the volume of stockpiles that are stored indoors or within tighter spaces.

Specifications:

	TruPoint 300
Range Accuracy to Typical Targets	+/- 1 mm (0.04 in)
Range Limits	0.05 up to 300 m (0.16 to 1000 ft)
Angle Accuracy	+/- 0.1° Horizontal and Vertical
Angle Limits	360° Horizontal, -40° to 80° Vertical
Measuring Units	Metric and Imperial
TruTargeting	Pointfinder with 4x zoom camera and red-dot laser
Image / Camera Resolution	Image: 800 x 600 / Screen: 240 x 400
File Output Formats	.jpg and .dxf
Memory for CAD Files	20 DXF files, each with 30 points
Communication	Bluetooth® Smart, WLAN
Battery Type	Li-ion rechargeable with up to 4,000 measurements at full charge
Charging Time	4 hours
Environmental	IP54
Operating Temperature	-10° to 50° C (14° to 122° F)
Tripod Mount	1/4 - 20 thread
Dimensions	164 x 61 x 32 mm (6.45 x 2.4 x 1.3 in)
Weight	291 g (10.2 oz)

Measurement Solutions:

HD = Horizontal Distance

ANG = Horizontal Angle

SD = Slope Distance

INC = Inclination

VD = Vertical Distance

HT = Height

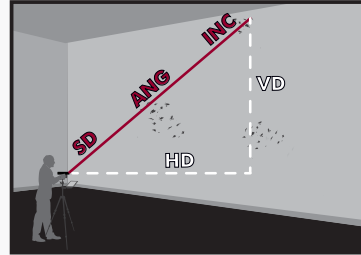
Measured by TruPoint:



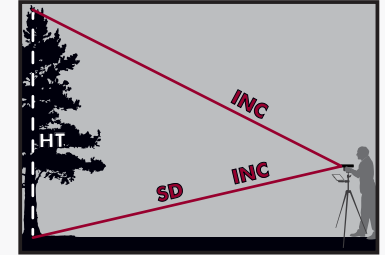
Calculated by TruPoint:



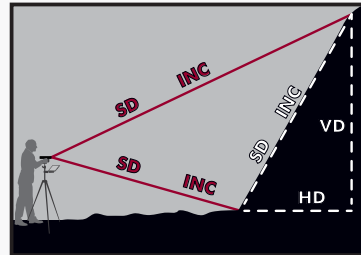
1-Shot Measurement:



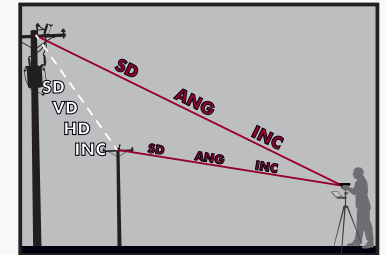
2-Shot Height:



2-Shot 2D Slope:



2-Shot 3D Missing Line:



Smart Area:

