



# ***LASER THEODOLITE LTDL-A10***

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Laser Theodolite LTDL-A10 with built-in diode, the laser beam is visible up to 200 m away outside in daylight. A clear laser spot is visible up to 100 m through eyepiece. It is convenient to focus and adjust the laser brightness. The laser device integrated with telescope, resistant to dust, rain and other harsh elements. The telescope mounted on device swivels both horizontally and vertically to measure the angles. All standard functions of electronic theodolite are available in it.

## **FEATURES**

- ▶ Portable, user-friendly device
- ▶ Good laser pointer brightness, focus adjustable
- ▶ Good Visibility of the Laser Line
- ▶ Absolut Coding Angle Measurement
- ▶ Large LCD Display
- ▶ Single-axis Tilt Sensor
- ▶ More Convenience when the instrument is combined with the diagonal eyepiece

## **APPLICATIONS**

Laser Theodolite finds application in civil engineering, construction sites, division of road designing, etc.

## SPECIFICATION

<b>Model no.</b>	<b>LTDL-A10</b>
<b>Telescope</b>	
Image	Erect
Magnification	30X
Objective aperture	47 mm
Field of view	1° 30'
Shortest viewing distance	1 m
Stadia ratio	100
Resolution	3.75"
<b>Angle Measurement</b>	
Angle measurement mode	Absolute angle
Minimum reading	1",5",10",20"
Angle units	DEG/MIL/GON
Accuracy	2",5",10"
Display	LCD
<b>Compensator</b>	
Type	Single-axis liquid tilt sensor
Range	± 3'
<b>Up Laser Point</b>	
Wavelength	635 nm
Laser focus point	5 mm/ 100 m
Deviation between laser focusing point and telescope collimation axis	≤ 5"
Valid optical distance	150 m (day)
<b>Others</b>	
Down point type	Down Laser Plummet
Precision of plate vial	30"/2 mm
Precision of circular vial	8'/2 mm
Working temperature	-20°C to +45
Battery type	Rechargeable/5 × AA alkaline batteries
Battery volume	1800mAh, 6V (Ni-MH battery)
Battery life	15 hours
Dimension	180×166×355 mm
Weight	6.5 kg