

Pinpoint Precision
—— Guided by Laser.



Digital Theodolite with Laser Guide

—— DTC-LG1/LG1U ——



Mounting
screw



Laser Plummet

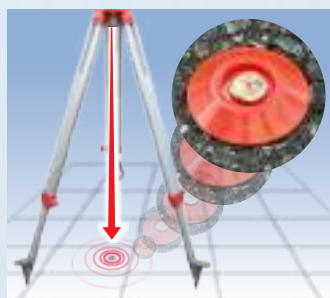


IP54

Features



Magnification 26.5x



Laser Plummet

Efficient operation with laser guide

The laser guide allows quick spotting of the target before viewing through the telescope, improving aiming efficiency. The visible laser spot can also be confirmed by nearby workers, enabling easy sharing of the target.



Shifting-type tribrach
(35mm screw type only)



Large LCD with backlight

Immediate measurement

The absolute encoder requires no vertical angle zero-setting.

Minimum angle display

Display unit selectable between 5"/10".

Convenient features

Shifting-type tribrach for easy setup. (35mm screw type only)

Dual power options : powered by Li-ion and easily available standard batteries for worry-free use.

Specifications

Telescope

Image	Erect
Aperture	40mm
Magnification	26.5x
Resolution	3"
Field of view	1°30'
Minimum focus	1.5m
Stadia ratio	100
Stadia constant	0

Laser

Wavelength	635±20nm
Laser class	class 2
Collimation error	≤10"

Angle Measuring

Method	Absolute
Units	5" / 10"
Accuracy	5"
Angle display	Degrees

Tilt Compensation

System	Single-axis
Range	±3'
Accuracy	±3"

Spirit Level

Tubular level	30" /2mm
Circular level	8' /2mm

Plummet

Type	Laser
Brightness	5 levels
Accuracy	±1.5mm/1.5m
Diameter	±2.5mm/1.5m
Wavelength	635±20nm
Laser class	class 2

Display

Display	Dual-sided
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General

Auto power off	None / 10min. / 30min.
Operating time	Approx. 8h (with laser on)
Charging time	Approx. 3h 20min.
Dust & Water resistance	IP54
Power supply	AAA alkaline batteries x 4 Li-ion battery
Operating temperature	-20 ~ +50°C
Charging temperature	0 ~ +40°C
Dimensions	165×160×340mm
Weight	Approx. 4.5kg (incl. battery)

Set Contents

- Instrument (with Li-ion battery installed)
- Lens cap
- AAA alkaline batteries x 4
- Tool kit
 - Adjustment pin x 2
 - Hex wrench
 - Brush
 - Torx wrench
- Battery box for dry batteries
- USB cable (Type A - Type C)
- AC adapter for charging
- Rain cover
- Instruction manual
- Case



Code No.

Product Name

Model

226256	Digital Theodolite with Laser Guide / 35mm female screw	DTC-LG1
226257	Digital Theodolite with Laser Guide / 5/8 inch female screw	DTC-LG1U

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