

LTH Series Electronic Theodolites

LTH-02 LTH-05



Compact and portable electronic theodolites with Easy-to-Read display

2 models in the range providing a choice of 2" (LTH-02) and 5" (LTH-05)

APPLICATIONS

- Setting out right angles and checking plumb
- Alignment measurements
- Anchor bolt layout
- 90° layout

KEY FEATURES INCLUDE

- Easy to read-display
- Zero set and reverse angle display
- Powered by rechargeable batteries

EASY TO USE

- Lightweight and compact
- The basic instrument weighs only 5.0 kg

EASY KEY OPERATION

A row of soft keys allows simple and fast operation.

EASY TO READ-DISPLAY

A large display (LCD) is incorporated on both sides of the instrument. Both vertical and horizontal angles are displayed in degrees or gon.

RECHARGEABLE BATTERY

1800mAh Large capacity battery enables long operation in the field with one time recharge. It also saves cost for battery replacement.

ANGLE MEASUREMENT AND ANGLE CONTROL

- Clockwise and counter-clockwise angle measurement
- Conversion of the vertical angle to a percentage grade
- Zero setting of the horizontal angle at any position
- Horizontal angle 'Hold key function

BRIGHT OPTICS

All the models have a bright 30x magnification telescope which ensures sharp and clear images even in poor light conditions.

LINERTEC LTH SERIES SPECIFICATIONS

Model		LTH-02	LTH-05
Telescope	Imaging	Erect image	
	Objective aperture	45mm	
	Magnification	30X	
	Resolution	≤ 3"	
	Field of View	1° 30'	
	Shortest focusing distance	1.35m	
	Stadia multiplication constant	100	
Angle measurement	Angle measuring mode	Absolute encoder	
	Angle measuring accuracy	2"	5"
	Angle display	1"/5"	
	Angle unit	360° / 400G	
Compensator	Tilt sensor	Automatic vertical compensation	
	Compensation range	±3'	
Display unit		Two-sided	
Optical plummet	Image	Erect	
	Magnification	3X	
	Angle of vision	5°	
	Focusing range	0.5m ~ ∞	
	Sensitivity of tubular vial	30"/2mm	
	Sensitivity of circular vial	8'/2mm	
	Dust & Water Protection	IP44	
Power supply	Battery	Rechargeable battery	
	Voltage	4.8V	
Ambient temperature	For operation	-20°C ~ +50°C	
Weight	Instrument	5.0kgs.	
Measurement	Instrument	W 175mm x L 170mm x H 334mm	

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Specifications are subject to change without notice