

# DIGITAL THEODOLITE

## Precision Digital Theodolite For Professional Angle Survey Measurement

### Description :

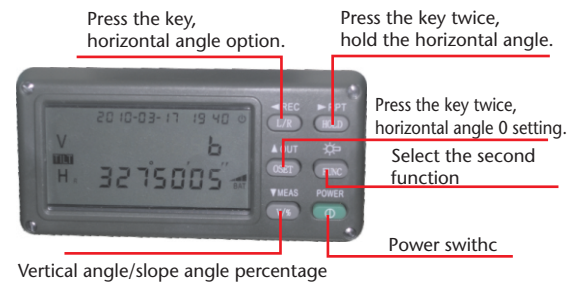
Digital theodolite is a modern engineering instrument for measuring both horizontal and vertical angles, It is a key tool in surveying and engineering work. The theodolite consists of a telescope movable within two perpendicular axes- the horizontal axis, and the vertical axis. When the telescope is pointed at a desired object, the angle of each of these axes can be measured with great precision.

### Features :

- **Control Panel** - Backlit 2 lines LCD Display & Alphanumeric keyboard with single touch button functions.
- **Rechargeable Batteries** - Digital Theodolite is provided with 1X Rechargeable Ni-MH Batteries & an extra AA battery pack to ensure that the unit can be used continuously at work site without having to stop & recharge.
- **Water & Dust Proof** - All significant part are protected by tight rubber rings. With Waterproof Grade IP54, you are free to operate your job no matter in rain or desert.

### Specifications :

<b>Telescope:</b>	
Length	157 mm
Imaging	Erect
Objective Aperture	45 mm
Magnification	30X
Field of View	1°30'
Resolving Power	3"
Minimum Focus Distance	1.4 m
Stadia Ratio	100
Stadia Constant	0
<b>Angle Measurement</b>	
Method	Absolute Encoding
Diameter of the Circle (Vhz)	79mm
Minimum Reading	1"/5"/10"/20" (Selectable)
Accuracy	2"
Detection Method	Horizontal : Dual, Vertical : Dual
<b>Display</b>	
Screen Type	2 sides, segment LCD in two lines
Auto Vertical Compensator	
System	Liquid-electric detection/plate level
Range	+/- 3'
Accuracy	1"
<b>Optical Plummet</b>	
Imaging	Erect
Magnification	3X
Field of View	5°
Focusing Range	0.5m ~ 8
<b>Physical Characteristics</b>	
Operation Environment	-20° ~ + 45°
<b>Power Supply</b>	
	6V Rechargeable Ni-MH Battery & AA Battery
Size (in mm)	165 x 318 x 157 mm
Weight (in g)	4300



Item Code : ST-THEO2



Product Supply Includes : Digital Theodolite, Rechargeable Battery Pack & Carry Case.