



HORIZON HLT Laser Theodolite

# THE BEST PERFORMER IN ITS PRICE CATEGORY

## Product Features

Compactly built for precision, speed and durability the HLT Laser Theodolite series offers many advantages over conventional Electronic Theodolites

Unlike the conventional Electronic Theodolite, which requires you to sight or focus through the eyepiece, the integrated laser beam sights and measures to a specific point. This allows for ultra precise, to-the-point measurements. Because the Laser Beam and Telescope swivel simultaneously all you have to do is to point, focus and mark. This portable unit makes Pointing and Measuring anywhere, even under minimal lighting, a breeze.

A clear and wide LCD screen makes viewing the data even easier.



HLTseries Laser Theodolite Specifications	HLT-02	HLT-05	HLT-10
<b>TELESCOPE</b>			
Image	Erect		
Magnification	30x		
Effective Aperture	45mm		
Resolving Power	4"		
Field of View	1° 30'		
Minimum Focusing Distance	1.5m		
Stadia Ratio	100		
Stadia Constant	0		
Tube Length	155mm		
<b>ANGLE MEASUREMENT</b>			
Measurement Method	Photoelectrical Scanning by Incremental Decoder		
Circle Diameter (VHz)	71mm		
Minimum Reading	1"/5"	1"/5"	5"/10"
Accuracy	2"	5"	10"
<b>DISPLAY</b>			
Display Type	LCD screen, both sides		
<b>COMPENSATOR</b>			
System	Liquid Electric Detection Type		
Compensator Range	±3'		
<b>LASER SPECIFICATIONS</b>			
Wavelength	635nm		
Operating Power	5mW		
Operating Distance	180m (daylight conditions)/ 800m (Night)		
Spot Diameter	3mm/50m, 5mm/100m		
<b>VIAL SENSITIVITY</b>			
Plate Vial	30"/ 2mm		
Circular Vial	8'/ 2mm		
<b>POWER SUPPLY</b>			
Battery	Ni-H Rechargeable Battery		
Output Voltage	6V DC		
Operating Duration	10hrs		
<b>OTHERS</b>			
Data Transfer Interface	RS-232C		
Operating Temperature	-20°C - +50°C		
Physical Dimensions	336mm x 195mm x 158mm		
Weight	4.6kg		

## Product Advantages

- No guesswork and hassle during bearing set-outs and markings
- Eliminates need to sight and focus optically through the instrument eyepiece. Just swivel, point, and measure
- Greater work efficiency when compared to Electronic Theodolites

## Practical Applications

- Tunnelling survey
- Mining survey
- Piling work
- Fencing
- Marking of Bearings and Points
- Base Line Survey

### Standard Accessories

Instruction Manual included



**Hard Carry Case**  
Durable for robust use



**Charger**



**Tool Kit**  
for light maintenance

### Optional Accessories



**Diagonal Eyepiece**  
For viewing odd angles



**Batteries Holder**  
For standard AA Batteries

**Class II Laser Product. Avoid Direct Contact with Eye**