

SETTING THE STANDARD

FOR ELECTRONIC THEODOLITES WORLDWIDE

The HORIZON Electronic Theodolite 1000 Series

A top Electronic Theodolite in its class. The HORIZON Electronic Theodolite is equipped with a stable Compensator, robust housing, and a tough finishing.

The HORIZON Electronic Theodolite has been tested in markets like USA and Europe to ensure that it stands up to even the most stringent user expectations.

Equipped with simple programs and straightforward button-press operation, the HORIZON Electronic Theodolite is a proven standard mainstay in our continually developing product range.

Product Features

- High Accuracy of - 2", 5" or 10" (model dependent)
- Minimum Reading - 1", 5" or 10" (model dependent)
- Data Communication - RS 232 port for exporting data to PCs
- Built-in reticule illumination for use in poor lighting situations



HORIZON ET Electronic Theodolite Series

ET series Electronic Theodolite Specifications	ET 1002	ET 1005	ET 1010
TELESCOPE			
Image	Erect		
Magnification	30x		
Effective aperture	45mm		
Resolving power	3"		
Field of view	1° 30'		
Minimum focusing distance	1.4m		
Stadia ratio	100		
Stadia constant	0		
Tube length	157mm		
ANGLE MEASUREMENT			
Measurement Method	Incremental Encoder		
Circle Diameter (V.Hz)	79mm		
Minimum Reading	1" or 5"	1" or 5"	5" or 10"
Accuracy	2"	5"	10"
DISPLAY			
Display Type	LCD screen, both sides, Double Line, Line		
DATA COMMUNICATION			
Data I/O	RS-232C		
LEVEL			
Plate Levels	30"/ 2mm		
Vertical Tilt Compensation (ET1002/ET1005)	Liquid Type (Electronic)		
Compensator Range	±3'		
Setting Accuracy	1"		
Circular Level	8' per 2mm		
OPTICAL PLUMMET			
Image	Erect		
Magnification	3x		
Focusing Range	0.5m to ∞		
Field of View	5°		
PHYSICAL CHARACTERISTICS			
Operating Temperature	30"/ 2mm		
Display (LCD)	Both Sides		
Internal Power Supply	Rechargeable NiMH		
Voltage	DC 6V		
Operating Time	8hrs		
Dimensions	160 x 150 x 330mm		
Weight	4.9kg/10.8 lbs		

Standard Accessories



Adaptor
for power supply



Tool Kit
for light maintenance



Batteries Holder
For standard AA Batteries



Hard Carry Case
Durable for robust use

Instruction Manual included

Optional Accessories



Diagonal Eyepiece
For viewing odd angles