

# SET1

## ELECTRONIC THEODOLITE

Accurate Angles, Rugged Reliability



### POWERFUL OPTICAL SYSTEM

The SET1 is equipped with a 30x magnification telescope and a 45mm objective aperture, providing superior clarity and precision for a wide range of surveying tasks. With a resolving power of 2.5" and a 1°30' field of view, it ensures clear and accurate measurements, even in challenging conditions.

### PRECISE ANGLE MEASUREMENT

Featuring a high-precision electronic angle measurement system, the SET1 offers a minimum reading of 1"/5"/10" with an impressive accuracy of 2". The 71mm diameter circle and  $\pm 3'$  vertical angle compensation ensure reliable and precise results, whether for construction or engineering applications.

### BUILT FOR HARSH CONDITIONS

Designed to withstand demanding conditions, the SET1 boasts an all-metal body and reliable electronic incline sensor for vertical angle compensation. With a durable build and a long-lasting 1300mAh battery, it ensures consistent performance in tough outdoor environments, offering up to 10 hours of operation on a single charge.

## TELESCOPE

Tube length	155mm
Objective aperture	45mm
Magnification	30x
Image	Erect
Field of view	1°30'
Resolving power	2.5"
Minimum focus	1.3 m
Stadia ratio	100
Stadia constant	0

## PHYSICAL

Dimension	144×175×324mm
Weight	4.8 kg

All specifications are subject to change without notice.

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## ELECTRONIC ANGLE MEASUREMENT

Minimum reading	1" / 5" / 10"
Accuracy	2"
Diameter of circle	71mm

## COMPENSATOR

Electric incline sensor	Vertical angle compensation
Arrange	±3'
Minimum reading	1"

## OPTICAL PLUMMET (Optional)

Magnification	3x
Field of view	5°
Focusing range	0.5m ~ ∞

## LEVEL SENSIBILITY

Plate level sensitivity	30"/ 2mm
Circular level sensitivity	8' / 2mm

## DISPLAY & ILLUMINATOR

Type	Two sides LCD
Reticle plate	Yes
Data export interface	Yes

## ELECTRICAL

Voltage	DC 6.0V
Battery	- 1300mAH - 10hrs working time