

# ESL2

## PRECISE AUTOMATIC LEVEL

The eSurvey ESL2 is suitable for geodetic control, construction of roads, and industrial applications. The ESL2 with ESM1 can supply higher accuracy and work to monitor structural deformations. The use of an automatic compensator speeds up work and improves accuracy. ESL2 operates in the range of temperatures from  $-30^{\circ}\text{C}$  to  $+50^{\circ}\text{C}$ .



Optical

### One Key for Compensator Checking

Directly check the compressor by the specific press button.

### Parallel Plate Micrometer

A parallel plate micrometer helps the user read more accurately, and measure more precisely.

### Dismountable Eyepiece

Comfortably observe steep sights with a diagonal eyepiece, up to the zenith, by taking away the original eyepiece and fitting on the diagonal eyepieces.

### Easy to Use

Able to complete the survey job in no time.

### Compensator of Air Damper

No longer need to worry about the interference from ambient magnetic fields, for the air damper can reduce shakes to guarantee the accuracy and efficiency of measurement even in complex environments subject to vibration or shock.

### Use in Multiple Scenarios

Use the ESL2 in industrial measurement, topographic surveys, deformation monitoring, etc.



Website



Social media

# Product Specification

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### Accuracy

Standard deviation height measurement per 1km double run	$\leq \pm 1$ mm
With parallel plate micrometer	$\leq \pm 0.5$ mm

### Telescope

Image	Erect
Magnification	32x
Field angle	1°20'
Minimum focus	1.6 m
Field of view at 100m	2.3 m
Object aperture	45 mm
Multiplication factor	100
Additive constant	0

### Compensator

Compensator type	Pneumatic
Compensator range	$\pm 14'$
Setting accuracy	$\leq \pm 0.3''$
Setting time	$\leq 2$ seconds
Sensitivity of circular level per 2 mm run	8' / 2 mm

### Physical Specification

Dimension	130 mm x 215 mm x 140 mm
Weight	2500 g
Operating temperature	-30°C - +50°C

### Parallel Plate Micrometer ESM1 (Optional)

Range	10 mm
Interval	0.1 mm
Estimation	0.01 mm
Weight	1250 g