

ESL3

MAGNETIC DAMPING AUTOMATIC LEVEL

The ESL3 is equipped with a magnetic damping compensation system which has a large compensation range and a high compensation accuracy compensator to ensure the equipment accuracy and measurement efficiency even in a complex environment subject to vibration or shock. 32x magnification, 38mm large clear aperture equipped with 550nm coating ensuring fast and smooth measurement. The all-metal body and IP66 design ensure the ESL3's strong environmental adaptability.



Optical

Magnetic Damping Compensation System: Making Accuracy More Stable

Enjoy a better measurement experience with a compensation range of $\pm 15'$ and quick leveling 1.5s, powered by the magnetic damping compensation system that guarantees the accuracy and efficiency of measurement even in complex environments subject to vibration or shock.

Light and Compact

The compact design makes the ESL3 easy to carry.

Clearer, Brighter and More Relaxed

Enjoy clearer readings with 32 times magnification, greater clear aperture with 38 mm, and long-term observation without fatigue with 550 nm coating.

IP66 Certified

No longer need to worry about using the ESL3 even in dusty and humid environments, and easily handle complex working conditions.

Full Metal Body Design

Experience metal body that makes the ESL3 rugged and durable while shielding interference to the compensator system from the external environment and ensuring accurate and reliable measurement accuracy.

Simple Operation

Simple interface button to let the measurement without trouble.



Website



Social media

Product Specification

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Accuracy

Standard deviation height measurement per 1km double run	$\leq \pm 1.5$ mm
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Telescope

Image	Erect
Magnification	32x
Field angle	1°20'
Minimum focus	0.3m
Object aperture	38 mm
Multiplication factor	100
Additive constant	0
Resolution	$\leq 3.0''$

Compensator

Compensator type	Magnetic
Compensator range	$\pm 15'$
Setting accuracy	$\leq \pm 0.5''$

Physical Specification

Dimension	135 mm x 215 mm x 140 mm
Weight	1700 g
Water/dust proof	IP66