

SOUTH
Target your success

DSZ 1

High Precision Auto Level



**PRECISE.
EFFICIENT.
DURABLE.**

(V.202504)

INTRODUCTION

Engineered to a high-precision automatic level, DSZ1 enjoys a wide range of leveling survey applications in land surveying, construction, and engineering projects. One of the key advantages of using this model is its ability to produce highly accurate and consistent measurements with reasonable ease and speed. It is particularly useful when working on large-scale jobs where time is a critical factor, which may enable the completion of work more efficiently and safely, with better quality results and reduced costs.



Coarse Sight ●
For coarse positioning of observation targets

Level Reflector Mirror ●
Assist in observing the bubble orientation

Circular Level ●
Levelling bubble showing the level of the instrument

Handle ●
Convenient for immediate use and transport

Fine Adjustment Knob ●
For fine horizontal micro-adjustment

Eyepiece ●
Spectacle observation system

Optical Lens ●
55x telescope with upright image display

Focusing Handwheel ●
For imaging focus

Horizontal Scale Disc ●
Measure the horizontal angle between targets

Foot Screws ●
Quickly adjust the instrument's attitude

SPECIFICATIONS

Standard deviation of measurements per kilometre round trip

High-quality indium steel scale.....	0.7mm	Compensator Range.....	±15'
Ordinary Scale.....	1.0mm	Compensator Accuracy.....	±0.3"
Telescope Image.....	Erect	Sensitivity of Circular Bubble.....	8'/2mm
Magnification.....	55X	Circular Graduation.....	1° or 1 gon
Field of View.....	1°30'	Weight.....	2.85kg
Min. Focus Distance.....	1.2m	Dimension.....	280*145*185mm
Multiplication Constant.....	100	Protection.....	IP66
Additive Constant.....	0	Working Temperature.....	-20°C ~ +50°C

