DSZ32C
AUTOMATIC LEVEL

PRECISION AIR-DAMPING TECHNOLOGY

The **DADI DSZ32C** is a high-precision automatic level tailored for demanding surveying and construction environments. Featuring an advanced **X-shaped wire suspension air-damping compensator**, it ensures rapid, stable leveling with a remarkable **1.0 mm accuracy** for 1km double-run leveling. Combined with a rugged body and an IP54 protection rating, it serves as a reliable and efficient partner for daily site work.



AIR-DAMPING SYSTEM	**1.0MM ACCURACY**	**32X MAGNIFICATION**
IP54 PROTECTION	**40MM OBJECTIVE LENS**	**±0.3" SETTING ACCURACY**

KEY ADVANTAGES

- Innovative X-shaped wire suspension air-damping compensator provides smooth and rapid target settling.
- Exceptional ±0.3" setting accuracy guarantees reliable measurements over long distances.
- Shortest focusing distance of just 0.5m allows for precise measurements in confined indoor spaces.
- Equipped with a 32X high-definition telescope and 40mm aperture for bright, crisp field of view (1° 20').
- Compact and lightweight design (1.5 kg) makes it highly portable across large construction sites.
- IP54 ingress protection safeguards the delicate internal optics against dust and water splashes.

TECHNICAL DATA

MAIN TECHNICAL PARAMETERS OF DSZ32C LEVEL	
LEVELLING ACCURACY	
Standard Deviation for 1km Double-run levelling	1.0 mm
TELESCOPE SYSTEM	
Telescope Image	Erect
Magnification	32X
Clear Objective Aperture	40 mm
Field of View	1° 20′
Shortest Focusing Distance	0.5 m
Stadia Multiplying Constant	100
Stadia Additive Constant	0
COMPENSATOR	
Compensator Type	X-shaped wire suspension air-damping
Working Range	≥ ±15′
Setting Accuracy	± 0.3″
CIRCULAR LEVEL & GRADUATION	
Sensitivity of Circular Level	8′ / 2mm
Graduation Interval of Circle	1° or 1gon
PHYSICAL & ENVIRONMENTAL SPECIFICATIONS	
Ingress Protection Grade	IP54
Dimensions	200 × 135 × 140 mm
Weight	1.5 kg
Connecting Size to Tripod	M16 or 5/8″

STANDARD PACKAGE

- DSZ32C Main Unit
- Hard Carrying Case
- Plumb Bob
- Adjustment Toolkit
- User Manual

OPTIONAL ACCESSORIES

- Aluminium Tripod
- Aluminium Staff
- Survey Hammer
- 100ft Measuring Tape

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