DSZ34

AUTOMATIC LEVEL

HIGH-RESOLUTION AIR-DAMPING PRECISION

The **DADI DSZ34** is a premium automatic level crafted for the most demanding civil engineering and surveying tasks. Equipped with a powerful **34X magnification** telescope and an advanced **X-shaped wire suspension air-damping compensator**, it delivers an exceptional **1.0 mm accuracy** for 1km double-run levelling. Its reliable design is shielded by an IP54-rated housing, ensuring consistent performance in dynamic environments.



34X MAGNIFICATION	**1.0MM ACCURACY**	**X-SHAPED AIR-DAMPING**
IP54 PROTECTION	**ERECT IMAGE OPTICS**	**±0.3" SETTING ACCURACY**

KEY ADVANTAGES

- Industry-leading 34X magnification telescope provides unparalleled clarity for long-distance targeting.
- Large 40mm objective aperture maximizes light gathering for bright imaging in low-light conditions.
- Short focusing distance of just 0.5m allows for flawless operation in extremely confined spaces.
- Advanced X-shaped air-damping mechanism ensures rapid and highly stable compensator settling.
- Exceptional ±0.3" setting accuracy guarantees precision across intricate grading tasks.
- Robust, lightweight 1.5kg body with IP54 ingress protection against dust and water splashes.

TECHNICAL DATA

MAIN TECHNICAL PARAMETERS OF DSZ34 LEVEL	
LEVELLING ACCURACY	
Standard Deviation for 1km Double-run levelling	1.0 mm
TELESCOPE SYSTEM	
Magnification	34X
Telescope Image	Erect
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′ / 2 mm
Graduation Interval of Circle	1° or 1 gon
PHYSICAL & ENVIRONMENTAL SPECIFICATIONS	
Dimensions	200 × 135 × 140 mm
Weight	1.5 kg
Connecting Size to Tripod	M16 or 5/8″
Ingress Protection Grade	IP54

STANDARD PACKAGE

- DSZ34 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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