

## SUPERIOR ACCURACY & STABILITY

The **DADI DSF32** is an elite automatic level engineered for high-precision civil engineering and construction tasks. Featuring a rugged construction and an advanced X-shaped wire suspension magnetic damping compensator, it delivers a consistent **1.0 mm accuracy** for 1km double-run levelling. With an **IP66** rating, it ensures peak performance in any environment.



**X-SHAPED MAG-DAMPING**

**1.0MM ACCURACY**

**32X MAGNIFICATION**

**IP66 RATING**

**ERECT IMAGE OPTICS**

**±0.3" SETTING  
ACCURACY**

## KEY ADVANTAGES

- Engineered for maximum stability with a precision-crafted body.
- Equipped with a 32X high-definition telescope and a large 42mm objective aperture for bright, clear imaging.
- Available with or without a handling grip for user preference.
- Advanced X-shaped magnetic damping for incredibly stable readings even in vibration zones.
- Exceptional  $\pm 0.3''$  setting accuracy guarantees reliable measurements.
- Superior shockproof and IP66 waterproof performance for harsh site conditions.

## MAIN TECHNICAL PARAMETERS OF DSF32 LEVEL

### LEVELLING ACCURACY

|                                                 |        |
|-------------------------------------------------|--------|
| Standard Deviation for 1km Double-run levelling | 1.0 mm |
|-------------------------------------------------|--------|

### TELESCOPE SYSTEM

|                             |        |
|-----------------------------|--------|
| Telescope Image             | Erect  |
| Magnification               | 32X    |
| Clear Objective Aperture    | 42 mm  |
| Field of View               | 1° 20' |
| Shortest Focusing Distance  | 0.4 m  |
| Stadia Multiplying Constant | 100    |
| Stadia Additive Constant    | 0      |

### COMPENSATOR

|                  |                                                       |
|------------------|-------------------------------------------------------|
| Compensator Type | X-shaped wire suspension magnetic damping compensator |
| Working Range    | $\geq \pm 15'$                                        |
| Setting Accuracy | $\pm 0.3''$                                           |

### CIRCULAR LEVEL & GRADUATION

|                               |            |
|-------------------------------|------------|
| Sensitivity of Circular Level | 8' / 2mm   |
| Graduation Interval of Circle | 1° or 1gon |

### PHYSICAL & ENVIRONMENTAL SPECIFICATIONS

|                             |                          |
|-----------------------------|--------------------------|
| Ingress Protection          | IP66                     |
| Handling Grip               | Y or N (With or without) |
| Dimensions (without handle) | 233 x 130 x 155 mm       |
| Weight (without handle)     | 1.72 kg                  |
| Connecting Size to Tripod   | M16 or 5/8"              |

### STANDARD PACKAGE

- DSF32 Main Unit
- Hard Carrying Case
- Plumb Bob
- Adjustment Toolkit
- User Manual

### OPTIONAL ACCESSORIES

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