

HIGH-PRECISION DIGITAL MEASUREMENT

The **DADI DE 2A** is a high-performance digital theodolite designed for demanding construction and surveying applications. Featuring an absolute encoder system and a robust tilt sensor, it delivers reliable **2" angular accuracy** in a compact build. With its dual LCD and intuitive 10-key interface, the DE 2A simplifies complex field measurements.



2" ANGULAR ACCURACY

Equipped with a high-precision measurement system, providing **2" (0.6 mgon)** accuracy for any construction job.

ABSOLUTE ENCODER

The advanced absolute encoder system ensures stable measurement results without constant zero-resetting.

DUAL LCD DISPLAY

Dual-sided high-contrast LCD screens provide a clear interface for all professional surveying operations.

LIGHTWEIGHT BUILD

Weighing only **4.1 kg (9.0 lb)**, designed for maximum portability and ease of handling in the field.

ENGINEERED FOR THE FIELD

DADI has been a trusted name since 1991. The DE 2A continues this legacy by offering high-quality optics with 30x magnification, robust single-axis liquid-electric compensation, and a versatile build suitable for extreme site conditions.

ANGLE MEASUREMENT

Accuracy	2" (0.6 mgon)
Reading System	Absolute Encoder
Measurement Units	DEG / MIL / GON / V%
Minimum Reading	1" / 5" / 10"
Circle Diameter	74 mm (2.9 in)

Telescope Optics

Tube Length	120.4 mm (4.7 in)
Image / Magnification	Erect / 30x
Field of View	1° 30'
Resolving Power	3" (Standard)
Effective Diameter of Objective	47 mm (1.85 in)
Minimum Focusing Distance	1.5 m (4.9 ft)
Reticle Type / Stadia Ratio	Crosshair / 100:0

Tilt Sensor & Leveling

Type / Method	Single-axis / Liquid-electric detection
Compensation Range	±3'
Circular Level Sensitivity	Tribrach: 10'/2 mm / Body: 8'/2 mm
Tubular Level Sensitivity	30" / 2 mm

General Specifications

Laser Plummet (Internal)	Class 2 Laser (1.5 mm @ 1.5 m)
Optical Plummet (Customized)	Magnification: 3x
Tangent Clamps	Yes
Dimensions (W x D x H)	180 mm x 166 mm x 355 mm
Main Unit Weight	4.1 kg (9.0 lb)
Battery / Case Weight	0.2 kg / 1.7 kg

STANDARD PACKAGE

- DADI DE 2A Digital Theodolite
- Hard Carrying Case
- Rechargeable Battery Pack
- Battery Charger
- Toolkit & User Manual

OPTIONAL ACCESSORIES

- Heavy-Duty Tripod
- Leveling Staff & Ranging Rod
- Survey Hammer & Plumb Bob
- 100ft Measuring Tape
- Optical Plummet Kit