

VISIBILITY MEETS PRECISION

The **DADI MPE 02L** is a high-performance digital theodolite engineered to deliver extreme precision with enhanced visibility. Featuring an ultra-bright coaxial **Green Laser Pointer reaching up to 300m (984 ft)**, it ensures rapid and flawless targeting even in bright daylight or underground construction. Paired with a reliable **2" angular accuracy** and dual LCDs, it is the ultimate tool for any demanding site.



300M GREEN LASER

2" ANGULAR ACCURACY

ABSOLUTE ENCODER

DUAL LCD DISPLAY

30X MAGNIFICATION

COMPACT & LIGHT

KEY ADVANTAGES

- **Powerful Green Laser:** Highly visible green beam drastically speeds up alignment processes, penetrating up to 300 meters.
- **Dual-Sided Displays:** High-contrast LCD screens with 10 operational keys offer an intuitive and seamless user experience.
- **Robust Tilt Sensor:** Single-axis liquid-electric detection automatically compensates for minor site vibrations.
- **Absolute Encoding:** Advanced sensor system guarantees stable reading without the need for constant zero-resetting.
- **Superior Optics:** 30X magnification with a 47mm objective aperture provides crystal clear imaging across long distances.
- **Portable Design:** Weighing only 4.1 kg (9.0 lb), the MPE 02L is built to minimize fatigue during transport and setup.

MPE 02L SPECIFICATIONS

ANGLE MEASUREMENT

Accuracy	2" (0.6 mgon)
Reading System	Absolute Encoder
Units	DEG / MIL / GON / V%
Minimum Increment	1.0" (0.3 mgon)
Circle Diameter	74 mm (2.9 in)
Horizontal / Vertical Angle	Diametrical / Single

TELESCOPE & LASER

Laser Pointer	Coaxial Green Laser (Up to 300m / 984 ft Range)
Tube Length	120.4 mm (4.7 in)
Image / Magnification	Erect / 30X
Field of View	1° 30'
Resolving Power	3"
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

Internal Plummet	Class 2 Laser (1.5 mm @ 1.5 m)
Tangent Clamps	Yes
Dimensions (W x D x H)	180 x 166 x 355 mm (7.0 x 6.5 x 13.9 in)
Main Unit Weight	4.1 kg (9.0 lb)
Battery Weight	0.2 kg (0.4 lb)
Carrying Case Weight	1.7 kg (3.9 lb)

STANDARD PACKAGE

- DADI MPE 02L Digital Theodolite
- Hard Carrying Case
- Rechargeable Battery Pack
- Battery Charger
- Toolkit & User Manual

OPTIONAL ACCESSORIES

- Heavy-Duty Tripod
- Leveling Staff
- Ranging Rod
- Survey Hammer
- 100ft Measuring Tape