

THE PINNACLE OF PRECISION

In the field, every second of hesitation and every millimeter of deviation matters. The **DADI DTM 624R** is engineered for professionals who demand extreme efficiency and rigorous accuracy. It is more than just an instrument; it is your most reliable technical partner in complex working environments.



VISION BEYOND DISTANCE

Equipped with a high-performance EDM engine offering a single prism range of **4,000 m** and reflectorless range of **600 m**.

ULTRA-FAST EDM

Achieve measurement results in **1.0s** in standard mode and **0.8s** in tracking mode, maximizing onsite productivity.

2" ACCURACY LEVEL

Angular accuracy of 2" paired with an absolute encoder system ensures precision for the most demanding civil engineering tasks.

MINIMUM FOCUS CONTROL

With a leading **1.3 m (4.3 ft)** minimum focusing distance, handle measurements in confined spaces with absolute ease.

DURABILITY & WORKFLOW

Designed for the toughest conditions, the DTM 624R operates reliably between -20°C and +50°C. The integrated DADI Survey Pro-T software streamlines complex field routines, making every task from stake-out to road construction intuitive and fast.

DISTANCE MEASUREMENT (EDM)

Single Prism Range	1.3 m (4.3 ft) to 4,000 m (13,123.4 ft)
Reflectorless Range	0.3 m (1.0 ft) to 600 m (1,968.5 ft)
Mini Prism Range	1.3 m (4.3 ft) to 500 m (1,640.4 ft)
Reflective Sheet Range	1.3 m (4.3 ft) to 100/300/500 m (328/984/1,640 ft)
Accuracy (Prism & Reflectorless)	±(2 mm + 2 ppm · D)
Measuring Time	Standard: 1.0s / Tracking: 0.8s

Telescope Optics

Magnification / Resolving Power	30x / 3.5"
Objective Aperture / Field of View	48 mm (1.89 in) / 1°30'
Minimum Focusing Distance	1.3 m (4.3 ft)
Image / Tube Length	Erect / 161.3 mm (6.35 in)
Laser Pointer	Coaxial Red Light Pointer

Angle Measurement

Angular Accuracy	2" (0.6 mgon)
Reading System	Absolute Encoder (Diametrical/Single)
Minimum Increment	1.0" (0.2 mgon)
Measurement Unit	Degree / Mil / Gon / V%

Leveling & Compensation

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

System & Environmental

Laser Plummet	Class 2 Laser (1.5mm @ 1.5 m / 4.9 ft)
Onboard Software	DADI Survey Pro-T
Battery Type / Voltage	2 x Rechargeable Li-ion / 7.2V
Dimensions / Weight	180x175x355 mm / 6.5 kg (14.3 lb)
Operating Temperature	-20°C to +50°C (-4°F to +122°F)

STANDARD PACKAGE

- DADI DTM 624R Total Station
- Premium Hard Carrying Case
- 2 x High-Capacity Li-ion Batteries
- Dual-slot Battery Charger
- Comprehensive User Manual

OPTIONAL ACCESSORIES

- Mini prism 101 Set
- Reflective Sheet Target
- Surveying Nails & Hammer
- Measuring Tape
- Ak18 Prism & Prism Pole
- Heavy-Duty Aluminum Tripod