

DESIGNED FOR MODERN EFFICIENCY

The **DADI DTM-652R** is a rugged, high-performance 2" Total Station designed for modern engineering surveying. It revolutionizes field data management with driver-free USB and Bluetooth connectivity, making data transfer seamless without the need for specialized software drivers. Combined with a powerful 600m reflectorless EDM, it ensures precise results and a smooth, productive workflow in any complex environment.



SEAMLESS CONNECTIVITY

Equipped with driver-free USB and Bluetooth connectivity for efficient, cable-free data transfer to PCs and data collectors.

600M REFLECTORLESS EDM

Provides a highly accurate reflectorless measurement range of up to **600m (1,640 ft)**, and a 3km range with a single prism.

LARGE INTERNAL MEMORY

Capable of storing approximately **16,000 points** internally, ensuring you can work longer without needing to download data.

2" ANGULAR PRECISION

Features 2" angular accuracy with an absolute encoding system, guaranteeing precise leveling and coordinate geometry results.

RUGGED & USER-FRIENDLY

- Dual alphanumeric, high-resolution backlight displays for clear visibility in both bright sunlight and dark conditions.
- Integrated Laser Plummet enables lightning-fast setup and stationing over control points.
- Powered by a high-capacity rechargeable Li-ion battery providing up to 6 hours of uninterrupted workflow.

DISTANCE MEASUREMENT (EDM)

Reflectorless Range	Up to 600 m (1,640 ft)
Single Prism Range	Up to 3 km (9,840 ft)
Triple Prism Range	Up to 5 km (16,400 ft)
Accuracy (Reflectorless)	3 mm + 2 ppm
Accuracy (Single Prism)	±2 mm + 2 ppm
Unit of Measure	Meters (m) / Feet (ft)

Angle Measurement

Accuracy	2"
Measuring Method	Absolute Encoding
Detection Method	Level Radial, Vertical Radial
Minimum Reading	1 second / 5 second / 10 second

Telescope Optics

Magnification / Image	30x / Erect
Effective Aperture	48 mm (1.88 in EDM)
Length of Tube	160 mm (6.29 in)
Field of View / Resolving Power	1°30' / 3.75"
Minimum Focus Distance	1 m (3.28 ft)
Sight Distance Precision / Stadia Ratio	≤0.4% D / 100
Quick Sights (Rough)	Yes

Leveling & Compensation

Compensator Type	Single Axis Liquid-electric detection
Compensation Range	±3'
Plate Bubble Vial	30" / 2 mm
Circular Bubble Vial	8' / 2 mm

Interface & Data Management

Connectivity	Bluetooth / USB (Driver-free) / RS-232C
Storage Interface	SD Card Interface / Internal Memory (Approx. 16,000 Points)
Onboard Software	Intelligent Calibration / DADI-Pro1

General & Environmental

Display & Keypad	Dual, High-Resolution Backlight B&W / Alphanumeric
Laser Plummet	Class-2 / 635nm (Red) Accuracy: 1.5 mm at 1.5 m
Battery Life	Up to 6 hours (Rechargeable Li-ion)
Dimensions / Weight	190 x 175 x 355 mm / 5.5 Kg (12.13 lbs)
Operating / Storage Temp.	-20°C to +50°C (-68°F to 122°F) / -40°C to +70°C (-104°F to 158°F)

IN THE BOX

DADI DTM-652R Total Station
 Heavy-Duty Hard Carrying Case
 Rechargeable Li-ion Battery & Charger
 USB Data Transfer Cable
 Adjustment Toolkit & Plumb Bob
 Software & User Manual

ESSENTIAL ADD-ONS

Standard Single Prism Set
 Heavy-Duty Aluminum Tripod
 Reflective Sheet Targets
 Telescopic Prism Pole
 External Data Collector (Bluetooth compatible)