

INTELLIGENT SURVEYING POWERHOUSE

The **DADI DTM 952R** is a premium smart total station built on the robust Microsoft Windows CE.NET 7.0 operating system. Designed for professionals who demand intuitive interaction, it features a large, highly responsive touch screen and the powerful onboard DADI Survey Pro-T software. With an ultra-fast measurement engine, it delivers top-tier performance for the most complex surveying and engineering tasks.



WINDOWS CE & TOUCH SCREEN

Experience seamless operation with the Windows CE.NET 7.0 OS and a vibrant touch screen, making field data management incredibly intuitive.

600M REFLECTORLESS EDM

A highly accurate and fast measuring engine provides a reflectorless range of **600m**, and an impressive **3,000m** range with a single prism.

ULTRA-FAST MEASURING SPEED

Maximize on-site productivity with blazing-fast measurement times: just **1.0s** in standard mode and **0.8s** in tracking mode.

2" ANGULAR ACCURACY

Features 2" angular accuracy with an absolute encoding system and dual-axis compensation, guaranteeing precise construction results.

ADVANCED & CONNECTED

- Integrated Bluetooth, USB, and RS-232C ports offer versatile, cable-free communication options.
- Advanced Dual-Axis Liquid-electric compensation perfectly neutralizes site vibrations for stable readings.
- DADI Survey Pro-T onboard software handles complex coordinate geometry, staking, and road design directly in the field.

DISTANCE MEASUREMENT (EDM)

Reflectorless Mode Range (Good Conditions)	400 m / 600 m
Single Prism Range (Good Conditions)	3,000 m
Accuracy (Reflectorless)	(3 mm + 2 ppm · D)
Accuracy (Prism)	(2 mm + 2 ppm · D)
Measuring Time (Standard Mode)	1.0 s
Measuring Time (Tracking Mode)	0.8 s

Angle Measurement

Accuracy	2" (0.6 mgon)
Reading System	Absolute Encoder
Unit	Degree / Mil / Gon / V%
Minimum Increment	1.0" (0.2 mgon)
Circle Diameter / Angle Readout	74 mm (2.9 in) / Diametrical (Single)

Telescope Optics

Magnification / Image	30x / Erect
Effective Diameter of Objective Lens	48 mm (1.85 in)
Tube Length / Minimum Focusing Distance	161.3 mm (6.3 in) / 1.5 m (4.9 ft)
Field of View / Resolving Power	1°30' / 3.5"
Reticle Type / Stadia Ratio	Crosshair / 100 : 0
Laser Pointer	Coaxial Red Light

Tilt Sensor & Leveling

Compensator Type / Method	Dual-axis / Liquid-electric detection
Compensation Range	±3'
Sensitivity of Circular Level (Tribrach)	10' / 2 mm
Tubular / Circular Level	30" / 2 mm 8' / 2 mm

System, Interface & Environmental

Operating System / Software	Microsoft Windows CE.NET 7.0 / DADI Survey Pro-T
Communication Ports	1 x Serial (RS-232C), 1 x USB, Integrated Bluetooth
Internal Plummet	Class 2 Laser (1.5 mm @ 1.5 m)
Battery / Output Voltage	Li-ion battery (x2) / 3.6V (Approx. 6.5h charge time)
Dimensions (W x D x H)	180 mm x 175 mm x 355 mm
Weight (Main Unit / Battery / Case)	6.5 kg / 0.2 kg / 1.7 kg
Operating / Storage Temperature	-20°C to +50°C / -25°C to +60°C

IN THE BOX

DADI DTM 952R Total Station
 Hard Carrying Case
 2 x Rechargeable Li-ion Batteries & Charger
 Rubber Dust Blower Ball
 User Manual

RECOMMENDED ACCESSORIES

Prism Ak18 Set (Highest quality)
 Telescopic Prism Pole
 Heavy-Duty Aluminum Tripod (1mm thickness)
 Data Transfer Cable