FJDynamics

FJD Easy Total Station

A total station is an electronic/optical/mechanical instrument used for surveying and mapping purposes, which is capable of measuring horizontal and vertical angle, distance (slope distance andhorizontal distance), as well as height difference.

Waterproof Telescope

Independent Tilt Sensor

Highly Integrated Circuit Board

Coaxial Locking Screw

Steel Shafting

Encoded Angle Measuring System

FACEBOOK

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https://www.fjdynamics.com/en/

01 Super long battery life
Dual high-capacity batteries are provided with the instrument

02 Coding system
With ease of use it has a simple structure and stable performance requiring no initializationafter startup

03 30X objective lens for bright clear images
The objective lens still produces bright clear images at 30X magnification

04 Laser beam coaxial and confocal with telescope
Users can observe the laser point directly

05 Ultra speed
High-accuracy angle measurement in 2 seconds

06 2-Way display
Two large screens, easy to operate

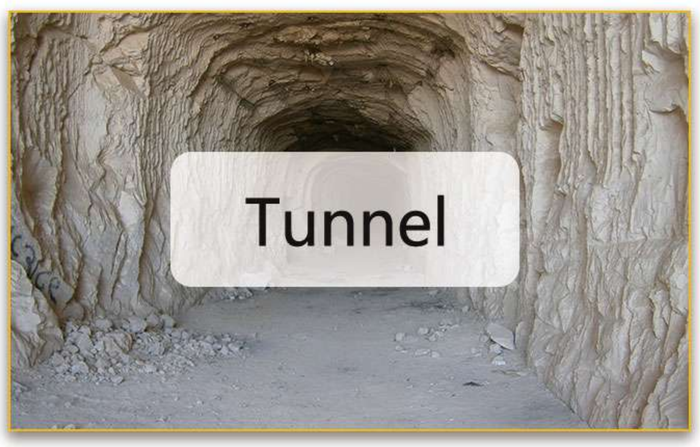

Image	Erect
Magnification	30×
Effective Aperture	48mm
Resolution	3.75″
Field of View	1°30′(26m/1000m)
Minimum Focus Distance	1m
Stadia Multiplying Constant	100
Data Accuracy	≤0.4%D
Tube Length	172mm

Level

Long Level	20″/2mm
Circular Level	8′/2mm

Vertical Axis Compensator

System	liquid capacitive, single-axis
Working Range	±3′
Resolution	1″

Optical Plummet

Image	Erect
Magnification	3×
Focusing Range	0.3m～∞
Field of View	5°

Laser Plummet

Aiming Method	Laser point
Light	Red visible laser
Class	Ⅱ

Display

Type	LCD, 4 line, dot matrix

Angle Measurement

Grating Disc Diameter (horizontal, vertical)	79mm
Minimum Reading	1″, 5″ or 10″
Unit	360°, 400gon or 6400mil
Vertical Angle 0°	Zenith angle 0° or horizontal angle 0°
Accuracy	2″

Distance Measurement

Single prism (under good weather conditions)	DTM624R: one-prism 3km, three-prism 5km, non-prism 400m
Unit	morft
Accuracy	±(3mm + 2ppm·D) or ±(5mm + 5ppm·D)
Measuring Time	1 second in fine mode and 0.8 second in tracking mode
Meteorological Correction	Automatic correction of input parameters
Reflecting Prism Constant Correction	Automatic correction of input parameters

Data Transmission

Interface	RS - 232C, USB

Battery

Power Supply	Rechargeable lithium battery
Voltage	DC 7.2V
Continuous Operation Time	BDC 3000mAh
	Angle measurement: 20 hours; distance measurement: 8 hours

Operation Environment

Operating Temperature	- 20℃～ + 45℃

Dimension & Weight

Dimension	180mm×175mm×355mm
Center Height	232mm
Weight	6.5Kg
Applications:	Construction and engineering surveying
	Mine and tunnel surveying