Trimble DiNi

Year of Purchase: 2020

Cost: 7.02 Lac (02 Nos)

The Trimble DiNi Digital Level is a digital height measurement sensor from Trimble's Integrated Surveying portfolio of products. The Trimble DiNi is a field-proven tool designed for any job site where fast and accurate height determination is required. Use the Trimble DiNi for applications such as precise leveling of flat and sloping surfaces, establishing the vertical component of grade and ground profiles, subsidence monitoring, and establishing the vertical component of control networks.

Salient Features

- Determine accurate height information 60% faster than with automatic leveling
- Eliminate errors and reduce rework with digital readings
- Transfer data to the office easily
- Level Accuracy 0.3 or 0.7 mm

Unequalled Performance in the Field

- Designed to perform optimally whatever the job.
- Dust and waterproof rating of IP55.
- Battery life of 3 days.
- USB Storage device stores data.

Specifications

Feature	**Specifications**
Accuracy	ISO 17123-2, standard deviation height measuring per 1 km (3280.84 ft) of double leveling
Electronic measurement	1.5 m–100 m (4.92 ft–328.08 ft)
Visual measurement	from 1.3 m (4.265 ft)
Resolution height measurement (0.3 mm per km)	0.01 mm / 0.0001 ft / 0.0001 in

Resolution distance measurement (0.3 mm per km)	1 mm (0.003 ft)
Measurement time (0.3 mm per km)	3 s
Resolution height measurement (0.7 mm per km)	0.1 mm / 0.001 ft / 0.001 in
Resolution distance measurement (0.7 mm per km)	10 mm (0.033 ft)
Measurement time (0.7 mm per km)	2 s
Type of graduation	400 grads and 360 deg
Graduation interval	1 grad and 1 deg
Estimation to	0.1 grad and 0.1 deg
Standard programs (0.3 mm per km)	Single measurement with and without stationing,stakeout, line leveling with intermediate sight and stakeout, line adjustment
Leveling methods (0.7 mm per km)	BF, BFFB, BFBF, BBFF, FBBF, aBF, aBFFB, aBFBF, aBBFF, aFBBF
Standard programs (0.3 mm per km)	Single measurement with and without stakeout, line leveling
Leveling methods (0.7 mm per km)	BF, BFFB, aBF, aBFFB
Invar precision bar code staff (0.3 mm per km)	0.3 mm (0.001 ft)
Standard bar code staff (0.3 mm per km)	1.0 mm (0.004 ft
Visual measurement (0.3 mm per km)	1.5 mm (0.005 ft)
Distance measurement (0.3 mm per km)	with a 20 m (65.62 ft) sighting distance
Invar precision bar code staff (0.7 mm per km)	0.7 mm (0.002 ft)
Standard bar code staff (0.7 mm per km)	1.3 mm (0.004 ft)
Visual measurement (0.7 mm per km)	2.0 mm (0.007 ft)
Distance measurement (0.7 mm per km)	with a 20 m (65.62 ft) sighting distance
Operating temperature	–20 °C to +50 °C (–4 °F to 122 °F)
Dust- and waterproofing	P55
Telescope	
Aperture	40 mm (0.131 ft)
Field of view at 100 m	2.2 m (7.217 ft)
Electronic measurement field	0.3 m (0.984 ft)
Magnification (0.3 mm per km)	X
Magnification (0.7 mm per km)	X
Compensator	
Inclination range	±15’
Setting accuracy (0.3 mm per km)	±0.2”
Setting accuracy (0.7 mm per km)	±0.5”
Circular level	8’/2 mm with Illumination
Display	Graphical, 240 x 160 pixels, monochrome with illumination
Keyboard	19-key alpha-numeric and 4-way arrow key for navigation
Internal memory	up to 30 000 data lines
External memory	USB Flash Drive support
Data transfer	USB Interface for data transfer between DiNi and PC (means two way communication)

Real-time clock and temperature sensor (0.3 mm)	Recording of time or temperature
Real-time clock and temperature sensor (0.7 mm)	NA
Internal battery	Li-Ion, 7.4 V / 2.4 Ah
Operating time	3 days working time without illumination
Weight (including battery)	3.5 kg (7.72 lb)