MANUAL TOTAL STATION

ARMOR 3B



Stable performance with accurate long-range distance measurement, clear, easy-to-read display and practical onboard software. ARMOR 3b offers a durable and versatile solution to your survey and construction tasks.

Efficient Operation
Customizable Hot Keys
Shortcuts
Trigger Button

Trusted Measurement
2” Angle Accuracy
1,500m NP Range
Stable. Reliable

Data Transfer
USB drive
Bluetooth

Long Duration
Smart Battery Manager
3,000mAh Battery
16h working time

SPECIFICATIONS

TELESCOPIC	
Length	154mm
Diameter	Telescopic: 45mm; EMD: 50mm
Magnification	30x
Image	Erect
Field of View	1°30′
Resolving Power	3″
Minimum Focus	1.5m

DISTANCE	
Single Prism Range	5,000m
Accuracy	±(2mm+2mm*D)m.s.e
Non-prism Range	1,500m
Accuracy	±(3mm+2mm*D)m.s.e
Measuring Time	Fine: 0.3s; Normal: 0.2s
Meteorologic Correction	Auto Sensor
Prism Constant	Manual

ANGLE	
Accuracy	2″
Method	Absolute Encoding
Detecting System	H: dual; V: dual
Minimum Reading	1″/5″/10″
Diameter of Circle	79mm
Vertical Angle 0°	Zenith: 0°; Horzontal: 0°
Unit	360°/400gon/6400mil

DISPLAY	
Display Unit	2.6″ with backlight, 6 lines
No. of Displays	2
Keyboard	Alphanumeric

PLUMMET - LASER	
Type	Class II red laser
Accuracy	<0.4mm @ 1.5m height
Spot Diameter	<1.5mm @ 1.5m height
- OPTICAL	*optional
Image	Erect
Magnification	3X
Foucing Range	0.3m - ∞
Field of View	5°

TILT CORRECTION	
Tilt Sensor	Dual axis
Method	Liquid electric
Range	4′
Resolution	1″

LEVEL	
Plate Level	30″/2mm
Circular Level	8′/2mm

DATA INTERFACE	
Internal Memory	> 10,000 points
Data Interface	USB2.0
Wireless *	Bluetooth 2.1, WT12

GENERAL	
Quick-meas Button	Yes
Weight	5.4kg
Dimension	353 (H) * 206 (L) * 200 (W) mm
Operating Temperature	-20°C to 50°C
Battery	Li-on battery, 7.4V, 3000mAh
Water & Dust Proof	IP55
Working Duration	16h

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