

MANUAL TOTAL STATION**ARMOR3B**

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	$\pm(2\text{mm}+2\text{mm}*D)\text{m.s.e}$
Non-prism Range	1,500m
Accuracy	$\pm(3\text{mm}+2\text{mm}*D)\text{m.s.e}$
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°; Horizontal: 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
Focusing 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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