

MANUAL TOTAL STATION

ARMOR3L



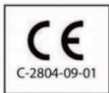
OPTIONAL ACCESSORIES



Compass
CP-20



ISO 9001:2015



Stable performance with accurate long-range distance measurement, clear, easy-to-read display and practical onboard software. ARMOR 3L 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
1,000m NP Range
Stable. Reliable



Data Transfer

USB drive
Bluetooth



Long Duration

Smart Battery Manager
5,000mAh Battery
>25h working time

SPECIFICATIONS

TELESCOPIC

Length	152mm
Diameter	Telescopic: 45mm; EDM: 47mm
Magnification	30x
Image	Erect
Field of View (at 100m)	1°30' (2.6m)
Resolving Power	3"
Minimum Focus	1.5m
Reticle Illumination	4 levels adjustable

DISTANCE

Single Prism Range	5,000m
Accuracy ISO17123-4	2mm+2ppm
Non-prism Range	1,000m
Accuracy ISO17123-4	3mm+2ppm
Measuring Time	Fine: 1.2s; Tracking: 0.2s
Min-Max Reading	Max: 99999999.999 mm Min: 1 mm
Prism Constant	Manual

ANGLE

Accuracy ISO17123-3	2"
Method	Absolute Encoding
Detecting System	H: dual; V: dual
Minimum Reading	1"
Diameter of Circle	79mm
Vertical Angle 0°Unit	Zenith: 0°; Horizontal: 0°360°/ 400gon/6400mil

DISPLAY

Display Unit	2.7" with backlight
No. of Displays	2
Keyboard	Alphanumeric, 28 keys

ITEM LIST

Main Unit	X 1
Battery (LI-50)	X 3
Battery Charger (NC-3)	X 1
Lens Cap	X 1
Reflective Sheet	X 1
Tool Bag	X 1
Carrying Case	X 1
Carrying Strap	X 2
USB Flash Drive 32GB	X 1

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	±6'
Resolution	1"

LEVEL

Plate Level	30"/2mm
Circular Level	8'/2mm

DATA INTERFACE

Internal Memory	>50,000 points / create > 10 jobs
Data Interface	USB2.0 flash disk
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, 5,000mAh
Water & Dust Proof	IP55
Operation Time	>25h
(Operation Period with Single Angle and Measurement Every 30s)	



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