



Specifications >>>

Telescope		Level vial sensitivity	
Length	156mm	Plate level vial	30"/2mm
Image	Erect	Circular level vial	8'/2mm
Objective aperture	Telescope:Φ45mm(meas.dist.:Φ50mm)	Laser plummet(Standard)*4	
Magnification	30×	Accuracy	±1mm/1.5m
Field of view	1°30'	Laser class	Class 2/IEC60825-1
Shortest focus distance	1.0m	Laser spot brightness	Adjustable
Angle measurement		Laser wave length	635nm
Reading system	Absolute encoder	Optical plummet(Factory Optional)	
Angle unit	360°/400gon/6400mil, selectable	Accuracy	±0.8mm/1.5m
Display resolution	1"/5"/10"(or 0.2mgon/1mgon/2mgon)	Image	Erect
Accuracy*1	2"/5"	Magnification	3×
Distance measurement		Field of view	4°
Laser class(IEC60825-1)		Focus range	0.5m to ∞
Reflectorless	Class 3R	Power	
Reflective sheet/RP60	Class 3R	Battery	3400mAh Li-ion Rechargeable
Prism	Class 1	Output voltage	7.4V DC
Measurement range (Good condition)*2		Continuous operation time	Approx.20 hours(At +20°C) (Single distance measurement every 30 seconds)
Reflectorless*3		Charger	FDJ6-Li (100V /240V)
Reflectorless	1 to 1000m	Charging time(at +20°C)	Approx. 4 hours
Reflective sheet/RP60	1 to 1200m	Application programs	
Single prism	1 to 5000m	Accuracy	Data collection/Stake out/Resection/REM/MLM AREA/Point to line/Z coordinate/OFFset
Accuracy		Others	
Prism	2mm+2ppm	Display	LCD, 6 Lines
Reflective sheet/RP60	2mm+2ppm	CPU	32Bit
Reflectorless	2mm+2ppm	Memory	120000 points, support SD card(Optional)
Measuring time		Keyboard	Alphanumerical key board, both sides
Fine mode	1.2s	Weight(including batteries)	5.1kg
Tracking mode	0.3s	Dimensions(WxDxH)	175x178x340mm
Fast mode	0.7s	Operating temperature	-20°C to+50°C
Display resolution(m/inch selectable)	0.2mm/1mm	Storage temperature	-40°C to +70°C
Pressure input range	500hPa to 1500hPa(1hPa steps)	Interface	USB/RS-232C/Bluetooth(Factory Optional)
Temperature input range	-40°C to+60°C(1°C steps)	Water and dust protection	IP55
Prism constant correction	-99.9mm to +99.9mm	Compensator	
Range/Setting accuracy	±3'/1"	Dual-axis	

* 1 Standard deviation based on ISO17123-3

* 2 Good conditions: no haze, visibility about 40km, no heat shimmer, breeze

* 3 Reflector: White side of Kodak Gray Card with 90% reflective * 4 Laser plummet mounted on the bottom of the vertical axis

Illustrations, descriptions and technical specifications are not binding and may change

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GUANGZHOU ALPHA GEO-INFO CO.,LTD
<https://alphageo-info.com>
 Mail:alphageo@aliyun.com
 Address : Building No.1,
 Gaopu Road No.68, Tianhe District,
 Guangzhou510630, Guangdong, China



Local Dealer:

