

Zoom90 Series

With the one man fully robotic total stations and the one man Servo total stations, GeoMax Zoom90 Series fulfill all your needs.

	Scout	TRack	AiM	accXess 10	accXess S
GeoMax Zoom90 Robotic (R)	✓	✓	✓	✓	✓
GeoMax Zoom90 Servo (S)		✓	✓	✓	✓

ANGLE MEASUREMENTS

Accuracy	1" (0.3 mgon), 2" (0.6 mgon), 5" (1.5 mgon)
Display resolution	0.1" (0.1 mgon)
Method	Absolute, continuous, diametrical
Compensation	Quadruple axis

TELESCOPE

Magnification	30x
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DISTANCE MEASUREMENTS - PRISM

Range	Standard mode:
Accuracy	3500 m / 1 mm + 1.5 ppm / typ. 0.8 sec*
Time	Long mode:
	>10,000 m / 5 mm+2 ppm / typ. 2.5 sec

DISTANCE MEASUREMENTS - REFLECTORLESS

Range	accXess5/ accXess10 500 m / 1000 m
Accuracy	2 mm + 2 ppm**
Time	typ. 3 sec
Precise capture	8x20 mm at 50 m

MOTORIZATION

Technology	Hybrid
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Scout	
Range	2000 m at round prism

TRack	
Range	800 m at round prism
Max speed	90 km/h at 100 m

AiM	
Range	1000 m at round prism
H _z /V accuracy	1"
Technique	Image processing

* Fast mode; ** > 500 m: 4 mm + 2 ppm; *** Single measurement every 30 second at 25° C. Battery time may be shorter depending on conditions.



Distance meter (reflector mode): Laser class 1 in accordance with IEC 60825-1 resp. EN 60825-1; Laser plummet: Laser class 2 in accordance with IEC 60825-1 resp. EN 60825-1; Distance meter (reflectorless mode): Laser class 3R in accordance with IEC 60825-1 resp. EN 60825-1.

NavLight™

Range	5 m at 150 m
Accuracy	5 cm at 150 m

INTERFACE

Keyboard	Two full alphanumeric; 35 keys; illuminated (2nd optional)
Display	Full VGA 640 x 480 colour and touch with LED backlight
Data recording	1 GB internal memory; removable SD card and USB stick
Ports	Serial; USB; internal Bluetooth; long-range Bluetooth handle and external power
Operating system	Microsoft Windows 7/8/10

PHYSICAL SPECIFICATIONS

Weight	10 - 5.3 kg (w/o battery and tribrach)
Operating/storage temperature	20°C to 50°C / -10°C to 40°C
Protection class	IP55 dust and water proof rating
Humidity	100% non-condensing

POWER SUPPLY

Internal battery	Removable Li-Ion 4.4 Ah / 7.4 V
Operating time	7-10 h***

PLUMMET

Type	Laser point, adjustable brightness
Accuracy	1.5 mm at 1.5 m instrument height



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