

## Zoom95 Series

Robotic Total Station



### Modern data handling

- Large 5" VGA touch screen
- Powerful processor - easy & fast handling of big files
- Automatic data backup
- Scout: Quick search for passive prisms within a large area

### Maximum flexibility

- Field software: X-PAD Ultimate Survey or Build on Android, X-PAD Survey or Construction on Windows Mobile
- Field controllers: GeoMax's or your own device

### Smart Investment

- No maintenance cost for field software
- Latest Hexagon technology
- Antitheft feature: PIN/PUK



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**Zoom95 Product Page**



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# Zoom95 Series

Zoom95 is the perfect one-person total station.

If you are in charge of surveying for construction projects or purchasing devices for your company, this one-person total station is made for you. The prism can be quickly located, tracked and it stays locked with the built-in STReAM360 technology.

Combined with our X-PAD field software, which is open to 3rd-party field controllers and available in Windows and Android, Zoom95 provides a full range of efficient choices. X-PAD software suite has been developed based on our customers' feedback. It perfectly matches Zoom95 workflows. It is so easy to use that no extra training is needed.

**This solution is not only economical, with no maintenance cost, but your data is digitalized, secure and easy to access.**

## ANGLE MEASUREMENTS

Accuracy	1" (0.3 mgon), 2" (0.6 mgon), 3" (1.0 mgon), 5" (1.5 mgon)
Display resolution	0.1"
Method	Absolute, continuous, diametrical
Compensation	Quadruple axis

## TELESCOPE

Magnification	30x
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## DISTANCE MEASUREMENTS TO STD. PRISM ACCURACY/TIME (TYPICAL)

Single (fast)	2 mm + 1.5 ppm / 0.8s
Standard	1 mm + 1.5 ppm / 2.4s
Continuous	3 mm + 1.5 ppm / < 0.15s
Range	up to 3500 m

## DISTANCE MEASUREMENTS - REFLECTORLESS

Range	accXess5 / accXXess10 500 m / 1000 m
Accuracy	2 mm + 2 ppm*
Time	Typ. 2-6 sec
Precise capture	8x20 mm at 50 m

## INTERFACE

Keyboard	Full alphanumeric; 25 keys; illuminated (2nd optional)
Display	5" WVGA 800x480 color and touch with LED backlight
Data recording	2 GB internal memory; removable SD card and USB stick
Ports	Serial; USB; internal Bluetooth®; long-range Bluetooth handle External power and WLAN
Operating system	Microsoft® Windows® EC 7.0

## MOTORIZATION

Technology	Hybrid Drives
<b>GeoTRAIL - GNSS based prism search</b>	
Speed	100 g/sec
<b>Scout - Opto-electronic prism search</b>	
Range	300 m at round prism
<b>TRack - Automatic prism logging</b>	
Range	800 m at round prism
Max speed	90 km/h at 100m
<b>AiM - Automatic prism fine aiming</b>	
Range	1,000 m at round prism
Hz/V accuracy	1"
Technique	Image processing

## NAVLIGHT™ - ALIGNMENT AID

Range	5 m to 150 m
Accuracy	5 cm at 100 m

## PHYSICAL SPECIFICATIONS

Weight	5.0 - 5.3 kg (w/o battery and tribrach)
Operating- / storage temperature	-20° C to 50° C / -40° C to 70° C
Protection class	IP55 dust and waterproof rating
Humidity	95%, non-condensing

## POWER SUPPLY

Internal battery	Removable Li-Ion 4.4 Ah / 7.4 V
Operating time	Up to 8 h**

## PLUMMET

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

\* > 500 m: 4 mm + 2 ppm;

\*\* Battery time may be shorter depending on conditions.



Vertical laser fan emitted from rotating instrument Scouts prism. Target continuously TRacked. Accurate AiMing at any prism, without looking through telescope.



**Distance meter (Prism 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 (Non-Prism Mode accXess):** Laser class 3R in accordance with IEC 60825-1 resp. EN 60825-1



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