GEOMAX

Works when you do

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’ or your own device

Smart Investment

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

Scan to find out more on the **Zoom95 Product Page**

geomax-positioning.com

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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 stays locked with the built-in STReAM360 technology.

Combined with our X-PAD Ultimate software, which is open to 3rdparty 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 customer 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 digitalised, secure and easy to access.

ANGLE MEASUREMENTS	
Accuracy	1” (0.3 mgon), 2” (0.6 mgon), 3” (1.0 mgon), 5” (1.5mgon)
Display resolution	0.1”
Method	Absolute, continuous, diametrical
Compensation	Quadruple axis
TELESCOPE	
Magnification	30x
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 3500m
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 colour 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

MOTORISATION	
Technology	Hybrid Drives
GeoTRAil - GNSS based prism search	
Speed	100 g/sec
Scout - Opto-electronic prism search	
Range	300 m at round prism
TRack - Automatic prism logging	
Range	800 m at round prism
Max speed	90 km/h at 100m
AiM - Automatic prism fine aiming	
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.

STReAM360 Vertical laser fan emitted from rotating instrument Scouts prism. Target continuousily TRacked. Accurate AiMing at any prism, without looking through telescope.

LASER 2

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

CAUTION LASER 3R

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