



GeoMax Total Station family

GeoMax has a complete total station portfolio to fulfill the positioning needs of all users. Even in challenging environments, GeoMax Total Stations deliver reliability and increased

productivity. Our latest total station technology delivers true return on investment, and is sure to increase your productivity in the field. Take your positioning performance to the next level!



geomax-positioning.us
 ©2017 Hexagon AB and/or its subsidiaries and affiliates. All rights reserved.

GeoMax Total Station Family

Our entire lineup of manual total stations feature locking tangent screws – ensuring the most accurate two-person measuring and layout possible under the most difficult conditions.



Zipp10 Pro Series - Your economical choice

The Zipp10 Pro is an entry level manual total station that has the features and capability to suit your measuring and layout needs. Measure nearly 10,000 feet to a prism, or over 800 feet reflectorlessly, and transfer all of your data simply and easily to a USB stick.



Zoom25 Series - When quality & reliability counts

The Zoom25 builds on the capabilities of the Zoom10 to allow measurements to a prism over 10,000 feet, and reflectorless measurements over 1,500 feet. Polar options will allow you to work to extreme temperatures, and its large, high-resolution display will help keep you productive. Data transfer and connectivity options will allow you to pair the Zoom25 with your data collector or transfer your points via USB.



Zoom40 Series - When flexibility counts

The Zoom40, featuring Microsoft Windows CE, will allow you to run your software onboard – saving you the added cost of a data collector. You can run X-PAD, FieldGenius, or Carlson SurvCE, or even customize applications to suit your needs. The Zoom40 measures over 10,000 feet to a prism, and over 1,500 feet reflectorlessly, and its huge color display makes operating your software easier than ever before.



Zoom50 Series - When performance counts

The Zoom50 is the flagship manual total station in the GeoMax lineup. With the accXess 10 technology, you can measure reflectorlessly over 3,000 feet, or to a prism at a range of over 30,000 feet at high accuracy. Measuring time is reduced to under 1 second for the ultimate in productivity. Data transfer via USB makes taking your points back to the office simple, and the built-in Bluetooth allows you to connect your data collector.

Zoom90 Series - when quality, performance & flexibility counts



Dramatically minimize the time of any survey task and boost your performance and accuracy to the maximum. Zoom90 is the ultimate one-man system with up to 20% more automation performance, extended reflectorless measurement capability, STReAM360, accXess technologies and Windows CE open connectivity.

Because a perfect solution is more than its single components, the Zoom90 seamless integration makes it the ultimate solution.

FULLY AUTOMATIC

- Long range Bluetooth®
- X-MOTION hybrid™ drives
- Ultimate one-man system

OPEN WINDOWS CE

- Field software flexibility
- Complete Windows CE functionality
- Full VGA capability

OUTSTANDING PERFORMANCE

- STReAM360: Scout-TRack-AiM
- 1000 m reflectorless range
- Precise capture



X-Pole - when GNSS meets TPS

X-Pole integrates your total station measurements to the prism, and your GPS measurements from your receiver—making it easy to simply toggle between each sensor as needed. Using X-PAD, your robotic total station will even continue to follow your GPS position as you pass behind obstructions, making reacquisition of the prism a snap when you return to line of sight.



GeoMax TPS Family - Overview

	Zip10 Pro	Zoom25	Zoom40	Zoom50	Zoom90
ANGLE MEASUREMENTS					
Accuracy	2", 5"	1", 2", 5"	2", 5"	1", 2", 5"	
Display resolution	1", 5", 10"	0.1", 1", 5", 10"	1", 5", 10"	0.1", 1", 5", 10"	0.1" (0.1 mgon)
Method	Absolute, continuous, diametrical				
Compensation	Quadruple axis				
TELESCOPE					
Type	neXus			accXess	
Magnification	30x				
NavLigth™ Range	--	--	--	--	5 m - 150 m
NavLigth™ Accuracy	--	--	--	--	5 cm at 150 m
DISTANCE MEASUREMENTS - PRISM					
Range to single prism	3.000 m (9,842.50')	3.500 m (11,482.92')		3.500 m (11,482.92') (Std. Mode) / 10.000 m (32,808.33')*	
Accuracy	3 mm (0.010') + 2 ppm	2 mm (0.007') + 2 ppm			1 mm (0.003') + 1.5 ppm
Time	Standard: 0.8 sec / Long: 2.4 sec				
DISTANCE MEASUREMENTS - NON-PRISM**					
Range	250 m (820.21')	500 m (1,640.42')		500 m (1,640.42')/ 1.000 m (3,280.33')	
Accuracy	2 mm (0.007') + 2 ppm			2 mm (0.007') + 2 ppm <500 m (1,640.42') 4 mm (0.013') + 2 ppm >500 m (1,640.42')	
Footprint	8x 20mm @ 50 m				
INTERFACE					
Keyboard	Two full alphanumeric***				
Display	B&W, high res., 160x96 pixels with backlight; 6 lines	B&W, ultra-high res. 280x160 pixel, 8 lines, illuminated; heating	Color- & Touch; 3.5" Q-VGA 320x240 pixel with LED backlight, self heating		Color- & Touch; Full VGA 640x480 pixels with LED backlight, self heating
Data recording	Internal memory; 64 MB	Internal memory; 50'000 points	Internal memory; 2 GB	Internal memory; 50'000 points	Internal memory; 1 GB
Bluetooth	--	yes			internal & longrange Bluetooth handle
Removable memory	USB stick				SD card / USB stick
Ports	USB	Serial; USB; and external power	USB	Serial; USB; and external power	
SOFTWARE					
Operating system	Embedded CE		Open Windows CE	Embedded CE	Open Windows CE
Open for 3rd party SW	--		yes	--	yes
Basic package	yes		Fully flexible; X-PAD, FieldGenius, Carlson SurvCE	yes	Fully flexible; X-PAD, FieldGenius, Carlson SurvCE
Advanced package	--	COGO; Ref. Arc; PIN/ PUK		COGO; Ref. Arc; Road 3D, Traverse; PIN/PUK	
PHYSICAL SPECIFICATIONS					
Weight	5.3 kg (11.68 lbs) w/o battery & tribrach	4.2 kg (9.25 lbs) - 4.5 kg (9.92 lbs) w/o battery and tribrach	5.3 kg (11.68 lbs) w/o battery & tribrach	4.2 kg (9.25 lbs) - 4.5 kg (9.92 lbs) w/o battery and tribrach	5.0 kg (11.02 lbs) - 5.3 kg (11.68 lbs) w/o battery and tribrach
Operating temperature	-20°C (-4°F) - 50°C (122°F)	-20°C (-4°F) - 50°C (122°F); optional Polar Version -30°C (-22°F) - 50°C (122°F)	-20°C (-4°F) - 50°C (122°F)	-20°C (-4°F) - 50°C (122°F); optional Polar Version -30°C (-22°F) - 50°C (122°F)	-20°C (-4°F) - 50°C (122°F)
Protection class	IP54	IP55	IP54	IP55	
POWER SUPPLY					
Type / Operating time****	removable; 9 hours	removable; 16 hours	removable; 8 hours	removable; 16 hours	removable; 7-10 hours
PLUMMET					
Type	Laser point, adjustable brightness				
MOTORIZATION (FOR ZOOM90 ONLY)					
Scout -360° Prism Search (R models only): Range					300 m (984.25') at round prism
AiM - Prism fine aiming: Range / Accuracy					1000 m (3,280.33') at round prism / 1"
TTrack -Prism following					
Range					800 m (2,624.67') at round prism
Max. speed					90 km/h (55.9 mph) at 100 m (328.08')

* Long mode
 ** Optimal conditions to Kodak Grey Card (90% reflectivity)
 *** Optional
 **** Single measurement every 30 seconds, at 25°C. Battery time maybe shorter, depending on conditions

12.17 - 869977 enus Copyright GeoMax AG.
 Illustrations, descriptions and technical specifications are not binding and may change.
 All trademarks and trade names are those of their respective owners.



Learn more at:
geomax-positioning.us

GEOMAX AUTHORIZED DISTRIBUTION PARTNER