![GeoMax logo]

Works when you do

GeoMax TPS family

GeoMax has a complete TPS portfolio to fulfill the needs of all users. Ensure ultimate reliability with GeoMax TPS systems even in challenging environments. Providing true cost-effectiveness these systems are equipped with the latest TPS technology in the field helping you increase your productivity and taking your performance to a new level.

PART OF HEXAGON

geomax-positioning.com

"Your economical choice"

Zipp10 Pro Series

With its 250 m reflectorless measurement range, 2" and 5" angle accuracy, a large bright display and simple to use applications, the Zipp10 Pro is your ideal tool for all surveying or construction tasks.

The Zipp10 Pro is the world's first total station in its class featuring a simple exchange of all your data and files via USB memory stick. Transferring data between different total stations or the office is now easier than ever before, liberating you from the need to use any PC. Keeping your total station where you need it – in the field!

"When quality & reliability counts"

Zoom25 Series

The enhanced design of Zoom25 protects the instrument against dust and water jets from any direction even under low temperatures down to -30°C.

A fast, simple and flexible data transfer is ensured by the incorporated RS232, USB and Bluetooth®.

With its included powerful application package, intuitively to operate on a large, high resolution display, combined with an extra-long battery life, the Zoom25 makes you more productive than ever before.

"When flexibility counts"

The flexibility to run X-PAD ULTIMATE, GeoMax FieldGenius or Carlson SurvCE or any other localised field software onboard the Zoom40 with its high resolution graphical Colour- and Touch display it allows you to work in the way that best fits to your needs.

Combined with the capability to measure long distances with high accuracy you can be sure: Zoom40 "works when you do"

"When performance counts"

Zoom50 Series

With the proven accXess technology, the Zoom50 features an intelligent distance measurement engine designed for outstanding range, speed and highest accuracy even under tough conditions.

All this in combination with the extra-wide colour touchscreen, built in Bluetooth®, USB memory stick support and featured application package including even advanced functionalities makes the Zoom50 the true flagship of the GeoMax manual total station family.

"Advanced technology -
high performance"

Zoom70 Series

With the GeoMax Zoom70 true one-man total station, you can significantly increase your efficiency. The support of the X-PAD-based GNSS prism search, seamlessly merged with the proven powerful accXXess EDM with its Track and AiM technology, the Zoom70 provides high flexibility and performance needed for your daily job.

X-PAD

X-Pole - when GNSS meets TPS

The full integration of X-Pole into the field software allows a toggle between both measurement modes.

Simply decide with the press of one button if you want to change from TPS to GNSS mode, such as when some points cannot be measured with TPS due to limited prism visibility. Once those points are measured, switch back to TPS mode. This enhances the efficiency of the system since it eliminates the need for cumbersome and time consuming station setups.

"Ultimate technology – ultimate performance"

Zoom90 Series

Substantially minimise the time of any survey task and boost your performance and accuracy to the maximum.

Zoom90 is the ultimate one-man system with significantly increased automation performance, extended reflectorless measurement capability, unmatched Scout-Track-Aim (STReAM360) functionality combined with accXXess EDM technology and Windows® CE open connectivity.

Thanks to its seamless sensor fusion the Zoom90 is the ultimate solution.

GeoMax TPS Family - Overview

	Zipp10 Pro	Zoom25	Zoom40	Zoom50	Zoom70/90
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 100 m
DISTANCE MEASUREMENTS - PRISM					
Range to single prism	3.000 m	3.500 m		3.500 m (Std. Mode) / 10.000 m*	
Accuracy	3 mm + 2 ppm	2 mm + 2 ppm		1 mm + 1.5 ppm	
Typ. time (fast/standard)		2/2.4 sec		1/2.4 sec	0.8/2.4 sec
DISTANCE MEASUREMENTS - NON-PRISM**					
Range	250 m	500 m		500 m / 1.000 m	
Accuracy		2 mm + 2 ppm		2mm + 2 ppm (<500m) 4mm + 2 ppm (>500m)	
Footprint		8x 20mm @ 50 m			
INTERFACE					
Keyboard		Two full alphanumeric***			
Display	B&W, high res., 160 x 96 pixels with backlight; 6 lines	B&W, ultra-high res. 280x160 pixel,8 lines, illuminated; heating	Colour- & Touch; 3.5" Q-VGA 320x240 pixel with LED backlight, self heating		Colour- & Touch; Full VGA 640x480 pixels with LED backlight, self heating
Internal memory	64 MB	50`000 points	2 GB	50`000 points	1 GB
Removable memory		USB stick			SD card & USB stick
Bluetooth®	--	✓			internal & longrange Bluetooth® handle
Ports	USB; USB mini	Serial; USB; and external power	USB; USB mini	Serial; USB; and external power	Serial; USB; USB mini; and external power
SOFTWARE					
Operating System		Embedded CE	Open Windows CE	Embedded CE	Windows CE
Open for 3rd party SW		--	✓	--	✓
Basic package		✓	Fully flexible; X-PAD, FieldGenius, Carlson SurvCE	✓	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 w/o battery & tribrach	4.2 -4.5 kg w/o battery and tribrach	5.3 kg w/o battery & tribrach	4.2 -4.5 kg w/o battery and tribrach	5.0 - 5.3 kg w/o battery and tribrach
Operating temperature	-20°C - 50°C	-20°C - 50°C (optional Polar Version -30°C - 50°C)	-20°C - 50°C	-20°C - 50°C (optional Polar Version -30°C - 50°C)	−20°C to 50°C
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 ZOOM70/90 ONLY)					
GeoTRAil - GNSS based prism search					✓
Scout - 360° Prism Search					-- / ✓
AiM - Prism fine aiming					✓
TRack -Prism following					✓
Max. speed					90 km / h at 100 m

* 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

GEOMAX AUTHORISED DISTRIBUTION PARTNER

Learn more at:
geomax-positioning.com