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.

GeoMax TPS Family

Zipp10 Pro Series - Your economical choice

With its 250 m reflectorle s 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 file 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

Zoom25 Series - When quality & reliability counts

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® technology.

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.

Zoom40 Series - When flexibility counts

The fle ibility to run X-PAD, 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"

Zoom50 Series - When performance counts

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 fully featured application package including even advanced functionalities making the Zoom50 to the true flagship of the GeoMax manual total station family.

Zoom90 Series - when quality, performance & flexibility counts

Dramatically minimise 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 flexibili y
- Complete Windows CE functionality
- Full VGA capability

OUTSTANDING PERFORMANCE
- STReAm360: Scout-TRack-AiM
- 1000 m reflectorless ange
- Precise capture

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.

GeoMax TPS Family - Overview

	Zipp10 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	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	
Time	typ: 0.8 sec typ: 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
Date 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 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 ZOOM90 ONLY)					
Scout -360° Prism Search (R models only): Range				300 m at round prism	
AiM - Prism fine aiming: Range / Accuracy				1000 m at round prism / 1″	
TRack -Prism following					
Range				800 m at round prism	
Max. speed				90 km / h at 100 m	

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

Learn more at:
geomax-positioning.com

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