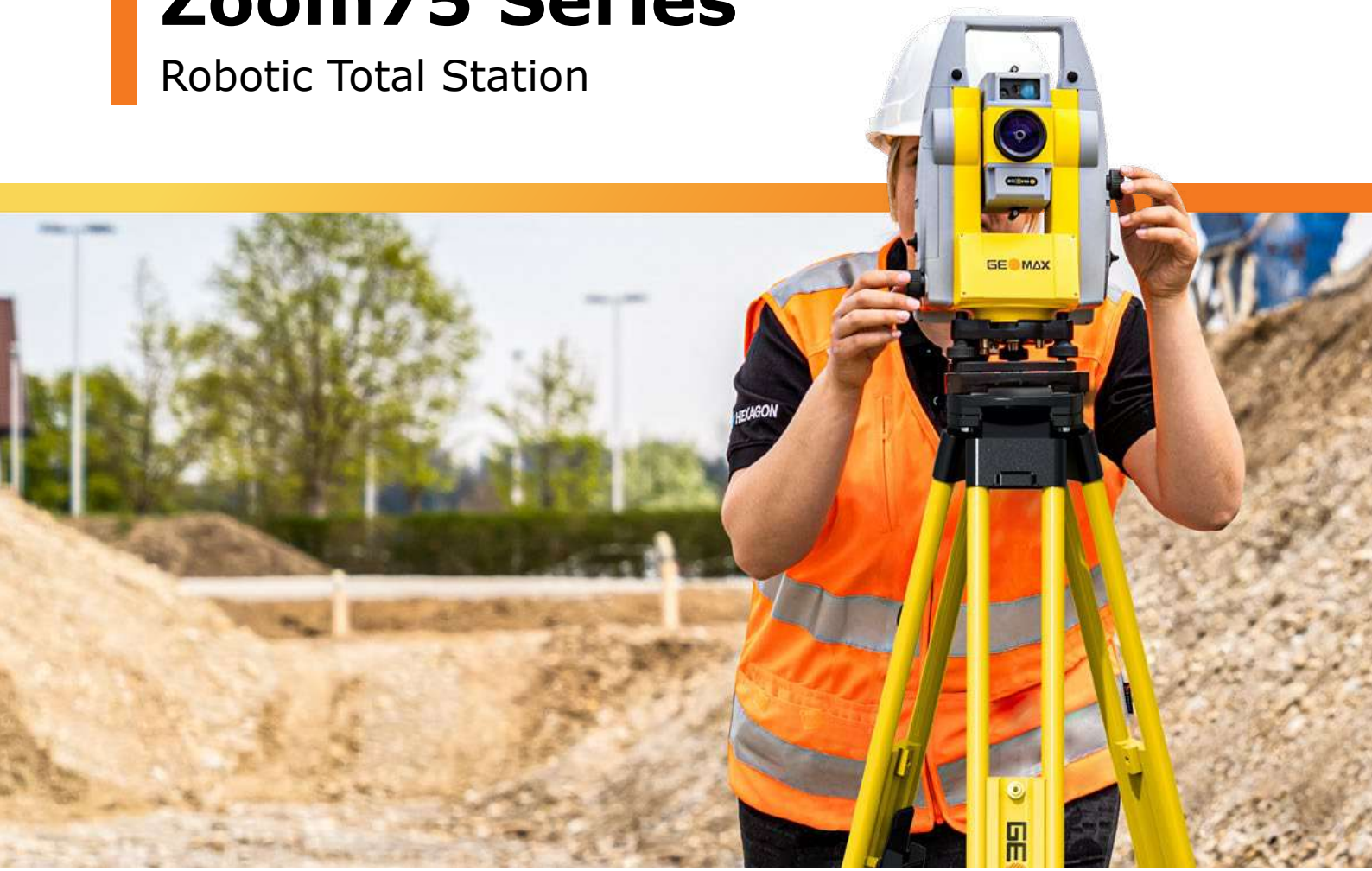
GEOMAX

Works when you do

Zoom75 Series

Robotic Total Station



Modern data handling

- Large 5” VGA touch screen
- Powerful processor - easy & fast handling of big files
- Automatic data backup
- GeoTRAil prism search

Maximum flexibility

- Field software: running on Android and/or Windows
- Field controllers: GeoMax’ or your own device

Smart Investment

- No maintenance cost for field software
- Latest Hexagon technology
- Stress-free equipment: PIN/ PUK – anti-theft feature

Scan to find out more on the
Zoom75 Product Page

geomax-positioning.com

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Zoom75 Series

The solution to digitalise your site

Zoom75 with X-PAD is the right solution to digitalise your site

The Zoom75 and X-PAD solution was developed to meet the demands of both novice and experienced surveyors. You have the choice to use two people and the onboard software, or a single surveyor with a field controller of choice or a phone. Both guarantee fast and convenient work with CAD data. The instrument's big screen, optional long-range Bluetooth handle and high performing processor add to the easy, intuitive workflow of X-PAD software. Available for both Android and Windows, X-PAD provides a familiar user experience, reducing the need for training.

In addition, software maintenance for X-PAD Ultimate comes at no extra cost.

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
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.

GEOMAX Authorised Distribution Partner





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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