

# 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's or your own device

## Smart Investment

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



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**Zoom75 Product Page**



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# Zoom75 Series

The solution to digitalize your site

## Zoom75 with X-PAD is the right solution to digitalize 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" (1.5 mgon)
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Display resolution	0.1"
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Method	Absolute, continuous, diametrical
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Compensation	Quadruple axis
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### TELESCOPE

Magnification	30x
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### DISTANCE MEASUREMENTS TO STD. PRISM ACCURACY/TIME (TYPICAL)

Single (fast)	2 mm + 1.5 ppm / 0.8s
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Standard	1 mm + 1.5 ppm / 2.4s
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Continuous	3 mm + 1.5 ppm / < 0.15s
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Range	up to 3500 m
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### DISTANCE MEASUREMENTS - REFLECTORLESS

Range	accXess5 / accXXess10 500 m / 1000 m
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Accuracy	2 mm + 2 ppm*
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Time	Typ. 2-6 sec
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Precise capture	8x20 mm at 50 m
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### INTERFACE

Keyboard	Full alphanumeric; 25 keys; illuminated (2nd optional)
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Display	5" WVGA 800x480 color and touch with LED backlight
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Data recording	2 GB internal memory; removable SD card and USB stick
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Ports	Serial; USB; internal Bluetooth®; long-range Bluetooth handle External power and WLAN
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Operating system	Microsoft® Windows® EC 7.0
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### MOTORIZATION

Technology	Hybrid Drives
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### GeoTRAIL - GNSS based prism search

Speed	100 g/sec
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### TRack - Automatic prism logging

Range	800 m at round prism
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Max speed	90 km/h at 100m
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### AiM - Automatic prism fine aiming

Range	1,000 m at round prism
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Hz/V accuracy	1"
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Technique	Image processing
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### NAVLIGHT™ - ALIGNMENT AID

Range	5 m to 150 m
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Accuracy	5 cm at 100 m
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### PHYSICAL SPECIFICATIONS

Weight	5.0 - 5.3 kg (w/o battery and tribrach)
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Operating- / storage temperature	-20° C to 50° C / -40° C to 70° C
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Protection class	IP55 dust and waterproof rating
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Humidity	95%, non-condensing
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### POWER SUPPLY

Internal battery	Removable Li-Ion 4.4 Ah / 7.4 V
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Operating time	Up to 8 h **
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### PLUMMET

Type	Laser point, adjustable brightness
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Accuracy	1.5 mm at 1.5 m instrument height
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\* > 500 m: 4 mm + 2 ppm;

\*\* Battery time may be shorter depending on conditions.



GEOMAX Authorized 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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