

## 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: X-FIND - anti-theft device



Scan to find out more on the  
**Zoom75 Product Page**



[geomax-positioning.com](https://geomax-positioning.com)

©2021 Hexagon AB and/or its subsidiaries and affiliates. All rights reserved.

# Zoom75 Series

The 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.

Theft is one of the biggest issues facing the industry. X-FIND will prevent theft and aid recovery of stolen kit. It also tracks your instruments whilst in the field.

## 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



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.

11/21 953505 en