

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



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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" (0.1 mgon) |
| 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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