

# Micro Robotic Solution

## Zoom3D Series



### PLUG AND PLAY SOLUTION

- Simple configuration
- Auto levelling feature
- Powerful 7" Windows tablet



### MICRO ROBOTIC SYSTEM

- Target recognition technology
- Auto targeting and tracking functions
- Ideal for small construction sites



### YOUR INDOOR PARTNER

- Highly accurate 3D measurements
- User friendly onboard software
- Full set of applications and easy data export

# Zoom3D Series

Easy-to-use and fast 3D measuring instruments, the Zoom3D Series are ideal for indoor as well as outdoor applications. Upgraded it to an innovative and user-friendly robotic total station: simply position it and turn it on, the Zoom3D will measure and layout any project site.

## TWO EASY AND APPLICATION-RICH OPTIONS

With very simple configuration and equipped with an auto levelling feature, the Zoom3D is a plug-and-play solution that speeds up your daily tasks. Its user-friendly onboard software helps with a wide range of indoor applications such as measuring, setting out or plumbing points. Levelling can now be completed with greater ease and speed, then exported in most common file formats.

For your outdoor tasks, the Micro Robot solution is equipped with target recognition technology that automatically and easily centres and follows the target, allowing surveys and stakeouts in small construction sites.



## GONIOMETER

Measurement range	Horizontal 360°; vertical 250°
Accuracy	5", equates to 1.2 mm @ 50 m

## LASER DISTANCE METER

Type	Coaxial, visible red laser
Measurement range	0.5 - 50 m
Laser class	2
Laser type	650nm; < 1mW
Ø laser dot (at distance)	10 m: ~7 mm x 7 mm 30 m: ~9 mm x 15mm

## TIE DISTANCE ACCURACY (3D)

Angle and distance combination	@10 m	@30 m	@50 m
	Approx. 1 mm	2 mm	4 mm

## TILT SENSOR

Self-levelling range	±3°
Accuracy	10", equates to 2.5 mm @ 50 m

## DIGITAL POINT FINDER

Zoom (magnification) /	1x / 3.40 m x 2.14 m
Field of view (@ 10 m)	2x / 1.70 m x 1.07 m 4x / 0.85 m x 0.54 m 8x / 0.42 m x 0.27 m

## CIRCULAR LEVEL SETTING

Accuracy	1"/mm
----------	-------

\* Accuracy is specified at 20°C; \*\* Depending on environment.

## OPERATION

Keys/user interface	1 on /off button
Interfaces	USB type B, power supply power pack

## COMMUNICATION

Cable	USB: Micro-B USB and type a; WLAN
Wireless	50m range **

## POWER SUPPLY

Internal battery	Li-Ion battery 14.4 V / 63 Wh
External power	24 VDC / 2.5A, charging time 8 h
Operating time	8 h

## PHYSICAL SPECIFICATIONS

Dimensions	Height 215.5 mm, Ø 186.6 mm
Weight	2.8 kg
Operating temp.	-10°C to 50°C
Storage temp.	-25°C to 70°C
Protection class	IP54 (IEC 60529)
Attachment	5/8" thread

## REMOTE CONTROL

Range	50 m **
Communication	Infrared (IR)
Battery	1 AA, 1.5 V



1115 - 840795 en  
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.



GeoMax is an internationally active company based in Europe that builds surveying and construction equipment that works when you do.

A comprehensive portfolio of easy-to-use and highly productive products at the best-price-to-performance ratio. Know more: [www.geomax-positioning.com](http://www.geomax-positioning.com)



GEOMAX AUTHORIZED DISTRIBUTION PARTNER

Works when you do