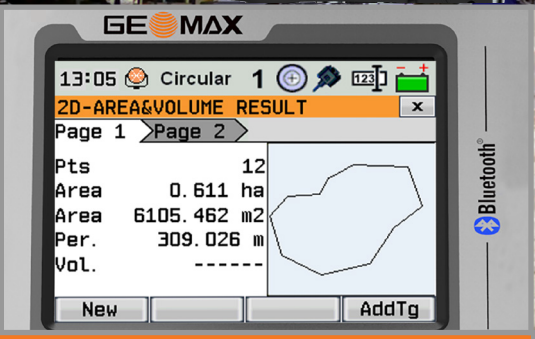
GEOMAX

Zoom50 Series

Manual Total Station









Colour and touch screen
- Large 3.5” Q-VGA display
- Crystal clear experience
- Super fast navigation

Superior accXess10 EDM
- 1,000 m non-prism range
- Highest reliability & accuracy
- Pin size laser beam

Superior software
- Intuitive software
- Versatile, enhanced applications
- PowerLock theft protection

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Zoom50 Series

When you need highest performance on all levels even under most challenging conditions, the GeoMax Zoom50 series is the perfect choice for you.



With the proven accXess technology, the Zoom50 features an intelligent distance measurement engine designed for outstanding range, speed and highest accuracy even under tough conditions. The longer measurement range means a wider operational coverage and significant less time lost with switching setups. The new „PowerLock" protection mechanism prevents the use by unauthorized persons and makes it unattractive to steal.
All this in combination with the extra-wide colour touchscreen, built-in Bluetooth®, USB memory stick support and fully featured application package including even advanced applications such as Road 3D and Traverse making the Zoom50 to the true flagship of the GeoMax manual total station family.

Zoom50 accXess5	Long-range distance measurement on reflector and >500m non-prism*
Zoom50 accXess10	Ultra long-range distance measurement on reflector and > 1,000 m non-prism*

ANGLE MEASUREMENTS	
Accuracy	1" (0.3 mgon), 2" (0.6 mgon), 5" (1.5 mgon)
Display resolution	0.1" / 0.1 mgon
Method	Absolute, continuous, diametrical
Compensation	Quadruple axis

DISTANCE MEASUREMENTS	
Prism	3,500 m / 2 mm + 2 ppm
Long range	10,000 m / 5 mm + 2 ppm
Typ. meas. time	1 s**
Non-prism	>500m accXess5 >1000m accXess10 2mm + 2ppm***
Footprint	8 x 20 mm****

PHYSICAL SPECIFICATIONS	
Weight	5.1 kg (incl. battery & tribrach)
Operating temp.	–30°C to 50°C*****
Protection class	IP55 dust and waterproof
Humidity	95 %, non-condensing

INTERFACE	
Keyboard	Full alphanumeric, dual face (opt.)
Display	3.5" Quarter-VGA colour touch screen (320x240 pixel), 10 lines x 30 characters, self heating, illuminated
Data recording	Internal memory 50,000 pts
Interface	USB, serial & external power
Removable memory	USB memory stick
Bluetooth	Device Class1

POWER SUPPLY	
Internal battery	Removable Li-Ion
Operating time******	36 h (continous angle), 16h (continous distance measurement every 30s)

PLUMMET	
Type	Laser point, adjustable brightness
Accuracy	1.5 mm at 1.5 m instrument height

OPERATING SYSTEM	
Microsoft®	Windows embedded CE

* Optimal conditions to Kodak Grey Card (90% reflectivity)
** IR-Quick mode
*** >500m: 4 mm + 2 ppm
**** At 50 m distance
***** Optional tested polar version, standard –20°C to 50°C
****** Battery time may be shorter depending on conditions.

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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Learn more at:
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