

### Manual Total Station



#### Color and touch screen

- Large 3.5" Q-VGA display
- Crystal clear experience
- Super fast navigation

#### Superior accXess10 EDM

- 1,000 m (3,280.83') non-prism range
- Highest reliability & accuracy
- Pin size laser beam

#### Superior software

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

# 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.



The Zoom50 manual total stations features an intelligent distance measurement engine designed for outstanding range, speed and highest accuracy - even under the tough conditions. The longer measurement range means fewer setups.

The new "Powerlock" protection mechanism prevents the use by unauthorized persons making and deters theft.

In combination with the wider color touchscreen, built-in Bluetooth, USB memory stick support, and fully featured application package with advanced features such as Road 3D and Traversing makes the Zoom50 a highly capable total station.

<b>Zoom50 accXess5</b>	Long-range distance measurement on reflector and >500m non-prism*
<b>Zoom50 accXess10</b>	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 (11,482.94 / 0.007' + 2ppm)
Long range	10,000 m / 5 mm + 2 ppm (32,808.39 / 0.016' + 2ppm)
Typ. meas. time	1 s**
Non-prism	>500 m (1,640.42') accXess5 >1000 m (3,280.84') accXess10 2mm + 2ppm***
Footprint	8 mm (0.026') x 20 mm (0.066')****

PHYSICAL SPECIFICATIONS	
Weight	5.1 kg (11.24 lbs) incl. battery & tribrach
Operating temp.	-30°C (-22°F) to 50°C (122°F)*****
Protection class	IP55 dust and waterproof
Humidity	95 %, non-condensing

**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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INTERFACE	
Keyboard	Full alphanumeric, dual face (opt.)
Display	3.5" Quarter-VGA color 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 Class 1

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

PLUMMET	
Type	Laser point, adjustable brightness
Accuracy	1.5 mm (0.005') at 1.5 m (4.92') instrument height

OPERATING SYSTEM	
Microsoft®	Windows embedded CE

\* Optimal conditions to Kodak Grey Card (90% reflectivity)  
\*\* IR-Quick mode  
\*\*\* >500 m (1,640.42'): 4 mm (0.013') + 2 ppm  
\*\*\*\* At 50 m (164.04') distance  
\*\*\*\*\* Optional tested polar version, standard -20°C (-4°F) to 50°C (122°F)  
\*\*\*\*\* Battery time may be shorter depending on conditions.  
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**Main Office:**  
4317 Park Drive Ste 104  
Norcross, GA 30093  
www.egps.net  
o: 770.695.3361  
f: 770.695.0803  
info@egps.net

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