

# Manual Total Station

## Zoom20 Pro Series



### Easy connectivity

- USB memory stick
- Fast and easy data transfer
- Plug and Play technology



### Superior display

- Largest 8 line display
- Highest resolution in class
- Graphical user guidance



### Performance, robustness

- 400 m non-prism range
- Coaxial visible laserbeam
- Sealed durable housing

# Zoom20 Pro Series

At GeoMax we understand that you work in demanding environments and require excellent price-to-performance without compromising quality, that's why we build products that "work when you do".



The GeoMax Zoom20 Pro Manual total station includes an environmentally protected USB port that allows fast, simple and reliable data transfer between the instrument and your PC, even to other total stations.

Together with an extra large high-resolution display the easy-to-use graphical interface makes regular tasks like stake-out easier and more productive than ever before.

<b>Zoom20 Pro accXess</b>	Distance measurement on reflector
<b>Zoom20 Pro accXess2</b>	Distance measurement on reflector and 250m reflectorless*
<b>Zoom20 Pro accXess4</b>	Distance measurement on reflector and 400m reflectorless*

## Angle measurements

Accuracy	2" (0.6 mgon), 3" (0.9 mgon), 5" (1.5 mgon), 7" (2 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
Reflectorless	2 mm + 2 ppm
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
Display	High resolution (280x160 pixel), 8 lines x 30 characters, illuminated
Data recording	Internal memory 50,000 pts
Interface	USB, serial & external power
Removable memory	USB memory stick

## Power supply

Internal battery	Removable Li-Ion 4.4 Ah / 7.4 V
Operating time	36 h (continuous angle), 9 hours (continuous distance measurement every 30 s)

## Plummet

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

## Operating system

Windows®	Embedded CE
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\* Optimal conditions to Kodak Grey Card (90% reflectivity)

\*\* At 50 m distance

\*\*\* Optional tested polar version, standard -20°C to 50°C

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**Distance meter (Reflector 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 (Reflectorless Mode accXess™):** Laser class 3R in accordance with IEC 60825-1 resp. EN 60825-1



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