

# Manual Total Station

## Zoom20 accXess Series



### Superior accXess4 EDM

- Accurate under difficult situations
- Fast and reliable measurements
- Pin-size laser beam



### Easy connectivity

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



### Built for all environments

- Tested and certified to -30°C
- Dust and waterproof
- Full day operation on one battery

# Zoom20 accXess Series

Class-leading reflectorless measurements: The extra-small EDM footprint and sophisticated signal processing technology ensures maximum accuracy and speed.

With proven accXess4 technology, the Zoom20 accXess comes equipped with an intelligent measurement engine that has been designed for outstanding speed and accuracy, even under the toughest conditions.

Developed to take on a multitude of daily tasks, the Zoom20 accXess offers a wide range of highly productive applications from setting-up, measuring, setting out and checking, be certain that GeoMax "works when you do".

**Zoom20 accXess4** Distance measurement on reflector and 400 m reflectorless\*

## Angle measurements

Accuracy	1" (0.3 mgon), 2" (0.6 mgon), 3" (0.9 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 ****
Reflectorless	2 mm + 2 ppm
Footprint	8 x 20 mm**

## Physical specifications

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

\* Optimal conditions to Kodak Grey Card (90% reflectance)

\*\* At 50 m distance

\*\*\* Tested Polar version (optional), standard -20°C to 50°C

\*\*\*\* IR-Quick mode



**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.



## 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 and 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 30s)

## 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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