

Manual Total Station Zoom35 Pro Series



Superior accXESS10 EDM

- > 1,000 m non-prism range
- > 10,000 m prism range
- Pin size laser beam



Colour touch screen

- Large 3.5" Q-VGA display
- Fast navigation
- Brilliant readability



Easy connectivity

- USB memory stick
- Bluetooth® transfer
- Plug and Play technology

Zoom35 Pro Series

With non-prism measurements of 1,000 m, the all new Zoom35 Pro opens a new class of total stations for all those requiring highest performance on all levels.



Zoom35 Pro accXess10 Long-range distance measurement on reflector and >1,000m 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	> 1,000 m / 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

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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With the proven accXess10 technology, the Zoom35 Pro features an intelligent distance measurement engine designed for outstanding speed and highest accuracy even on extreme long ranges. A longer measurement range means a wider operational coverage and significant less time lost with switching set ups. All this in combination with the extra-wide colour touch screen, Bluetooth®, USB memory stick and a complete suite of application provide the total station with the longest non-prism range in the market – making sure it “works when you do”.

Interface

Keyboard	Full alphanumeric
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 Class 1

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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* Optimal conditions to Kodak Grey Card (90% reflectivity)

** IR-Quick mode

*** > 500 m: 4 mm + 2 ppm

**** At 50 m distance

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

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