

# 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 'n 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	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
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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