

# 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 / 3 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 | IP54 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 10,000+ pts (incl. measurements, coordinates & codes)                                     |
| 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 |
|----------|-------------|

\* 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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