

Robotic Total Station

Zoom80 Series



STReAM360

- Scout – Auto Find
- TRack – Auto Tracking
- AiM – Auto Targeting



Long Range Bluetooth

- High-Speed Data Link
- Reliable Connectivity
- License Free



Powerful Handheld

- Inbuilt Camera (5 M Pixel)
- Compass & Altimeter
- Long-range Bluetooth®

Zoom80 Series

Find your target, follow it and measure with constant accuracy – the three steps you repeat continuously with every single measurement. Now fully automatically done by your total station incorporating the new STReAM technology, that “works when you do”.



STReAM360

- **Scout** – finds your passive prism fully automatically
- **TRack** – continuously follows your prism
- **AiM** – highest precision aiming at your prism – any time, any condition with constantly high accuracy

Together with the additional incredible features such as 1,000 m reflectorless measurement capability, Navigation light and 1" accuracy, this robotic total station boosts your performance and accuracy all day long – day by day.

Zoom80S	One Man Servo TRack360, AiM360
Zoom80R	One Man Fully Robotic Scout360, TRack360, AiM360

Power supply

Internal battery	Removable Li-Ion 4.4 Ah / 7.4 V
Operating time	Typically 6 – 8 h
External power	11.5 V to 13.5 V DC

Angle measurements

Accuracy	1" (0.3 mgon), 2" (0.6 mgon), 5" (1.5 mgon)
Display resolution	0.1" (0.1 mgon)
Method	Absolute, continuous, diametrical
Compensation	Quadruple axis

Physical specifications

Weight	5.5 kg when fully equipped
Operating temp.	-20°C to 50°C
Storage temp.	-40°C to 70°C
Protection class	IP54 dust- and waterproof
Humidity	95 %, non-condensing

Distance measurements

Prism	3,500 m / 1 mm + 1.5 ppm
Long-range	10,000 m / 5 mm + 2 ppm
Reflectorless	1,000 m / 2 mm + 2 ppm *

Handheld

Operating system	Windows® Embedded Handheld 6.5
Memory	Up to 32 GB
Ports	Serial, USB, expansion slot for long-range Bluetooth® cap, Bluetooth®, WLAN
Operating time	Up to 15 hours
Weight	2.7 kg (pole, prism, handheld)

Interfaces

Keyboard	Dual with 34 keys, illuminated
Display	¼ VGA colour LCD, touch screen
Data recording	Removable CF-card
Bluetooth	Device Class II, long-range
Interface	Serial & external power

* > 500 m: 4 mm + 2 ppm

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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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