Robotic Total StationZoom80 Series







Zoom80 Series

Find your target, follow it and measure with constant accuracy – the three steps you repeat continously 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 continously 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 you performance and accuracy all day long - day by day.

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

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

3,500 m / 1 mm + 1.5 ppm

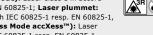
Distance measurements

Prism

Long-range	10,000 m / 5 mm + 2 ppm
Reflectorless	1,000 m / 2 mm + 2 ppm *
Interfaces	
Keyboard	Dual with 34 keys, illuminated
Display	1/4 VGA colour LCD, touch screen
Data recording	Removable CF-card
Bluetooth	Device Class II, long-range

Serial & external power

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



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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

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

Handheld

Operating system	Microsoft Windows Mobile®
Memory	Up to 16 GB
Ports	Serial, USB, expansion slot for long-range Bluetooth® cap, Bluetooth®, WLAN
Operating time	Up to 9 hours
Weight	2.7 kg (pole, prism, handheld)

^{* &}gt; 500 m: 4 mm + 2 ppm

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