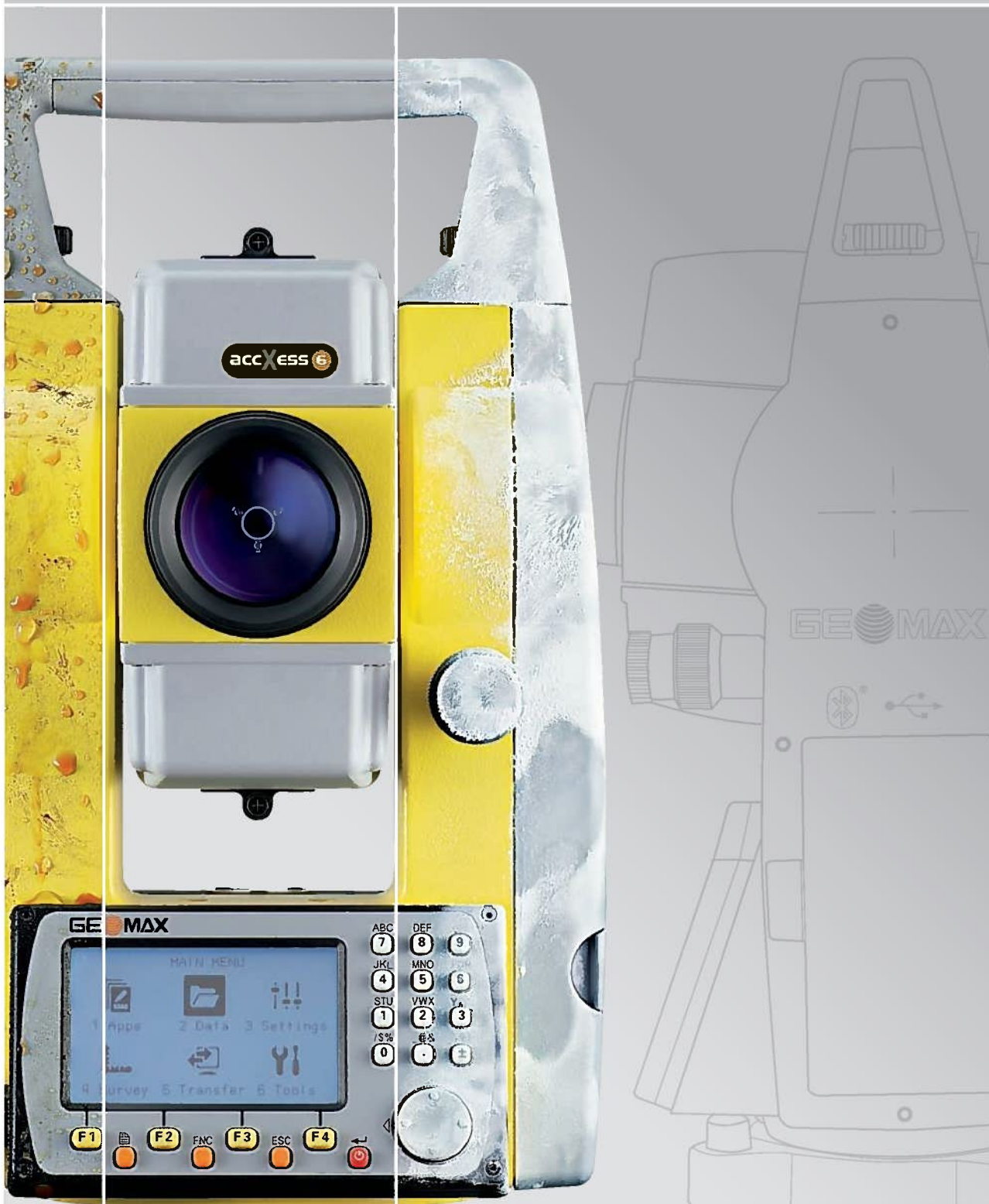


GeoMax Total Station

Zoom30 Series



GE MAX
Part of Hexagon Group

ZOOM30

Zoom30 Series Technical Data



GeoMax Zoom30 7", 5", 3", 2" accXess4	Distance Measurement on Reflector 400 m Reflectorless Distance Measurement
GeoMax Zoom30 5", 3", 2" accXess6	Distance Measurement on Reflector 600 m Reflectorless Distance Measurement

Angle measurements (Hz, V)

Method	Absolute continuous
Display resolution	1"
Standard deviation (ISO 17123-3)	2", 3", 5", 7"

Telescope

Magnification	30x
Field of view	1° 30' (26 m / 1 km)
Minimum focus	1.7 m
Reticle	3 level reticle illumination

Compensator

System	Quadruple-axis compensation
Working Range	± 4'
Setting accuracy	0.5", 1", 1.5", 2"

Distance Measurement on Reflector

Measuring range with circular prism	3'500 m
Measuring range with 3 prisms	5'400 m
Measuring with reflective foil (60 mm x 60 mm)	250 m
Accuracy (Fine/Quick/Tracking)	2 mm + 2 ppm / 5 mm +2 ppm / 5 mm + 2 ppm
Measuring time (Tracking/Quick/Fine)	0.15 sec / 0.8 sec / 2.4 sec

accXess™ EDM Reflectorless Distance Measurement

accXess6 Range with white target	600 m
accXess4 Range with white target	400 m
Range with circular prism	>7'500 m
Accuracy	3 mm + 2 ppm (>500 m 4 mm + 2 ppm)
Measuring time	3.0 - 6.0 sec

Communication

Internal memory/storage	10'000 points (incl. measur., coords & codes)
Interface	USB and RS232
Bluetooth	Bluetooth connections for comm. & data transfer
USB Host	USB memory stick port for data transfer

Operation

Display	160 x 280 pixels, 8 lines x 30 characters
Keys	Alphanumeric keys and 4 functions keys
Operating system	Windows® Embedded CE operating system

Laser plummet

Type	Laser point, brightness adjustable in steps
Accuracy	1.5 mm at 1.5 m instrument height

Environmental conditions

Optional Polar version tested to	-30° C
Operating / Storage Temperature	-20° C ~ +50° C / -40° C ~ +70° C
Protection to dust and water	IP54

Weight

Weight including battery and tribrach	5.1 kg
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Battery

Voltage/Capacity	ZBA400 7.4V 3800mAh
Operating period with continuous angle measurement	36 hours
Operating period with measurement every 30 seconds	9 hours (>1'000 measurements)

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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