

GeoMax Total Station

ZT20 Series



ZT20 Series

Technical Data

At Geomax we understand that you work in demanding environments and require excellent price-to-performance without compromising quality, that's why we build products that "Work when you do!".

GeoMax ZT20 5", 2" Distance measurement on reflector

GeoMax ZT20R 5", 2" Distance measurement on reflector & 250 m reflectorless

Angle measurements (Hz, V)

Standard deviation	2", 5"
Display resolution	1", 5", 10"

Distance measurement

Range with circular prism	3'000 m
Range with white target (ZT20R)	250 m
Accuracy	2 mm + 2 ppm (with prism) 3 mm + 2 ppm (reflectorless)

Measuring time (cont./quick/fine)	0.33 sec / 2.0 sec / 2.4 sec
Reflectorless measuring time	3 – 6 seconds

Telescope

Magnification	30x
Field of view	1° 30' (26 m / 1 km)
Shortest focusing distance	1.7 m

Compensator

System	Electronic dual-axis (liquid)
Working range	+ - 3'

Operation

Display	Back-lit LCD, resolution 160 x 96 pixels
Keyboard	Dual keyboards with 27 keys each
Operating system	Windows CE Core
Operating period	9 hours

Laser plummet

Type	Visible laser point
Accuracy	1.5 mm at 1.5 m instrument height

Environmental conditions

Operating temperature	-20°C ~ +50°C
Protection to dust and water	IP54

Data management

Internal memory/storage	64 MB
Interface	USB

Applications

Data Collect, Set Out, Resection, Area, Remote Elevation, Missing Line

Distance meter (prism 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): Laser class 3R in accordance with IEC 60825-1 resp. EN 60825-1



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