

R5 Reflectorless Total Station



Key Features

Long Range

Distance measurements, up to 3.500 m (with a single prism) and 400 m reflectorless

Easy Data

Communication with the USB/RS232 port to load/download data

Powerful

Visible Laser Pointer to easily find to the point to be measured

Easy reader

Big, backlit LCD, for clear reading of data even under intense sunlight

Capacity

Large storage capacity: up to 10.000 points can be stored in the internal memory

R5 Total Station

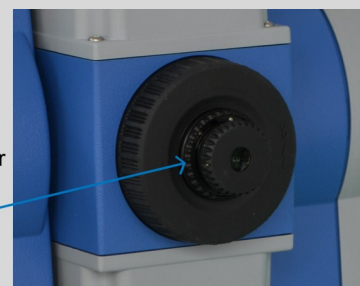
The best tool for surveyors

STONEX R5 reflectorless Total Station, the new compact, lightweight and rugged reflectorless instrument, offers to the Surveyor the best tool for his everyday works.

Enjoy the benefits of the super features of STONEX R5: the superb telescope, clear and accurate, the big display, over than 400 m reflectorless distance measurements, a complete range of field applications, in less than 5.1 Kg.

The quadruple axis compensator will take care for any error of leveling, you will be concentrated on your job. The fast and accurate EDM provides 2 mm + 2 ppm distance accuracy even in long range (up to 3.500 m with a single prism), and the 5" angle accuracy ensures a reliable surveyed points positioning.

Visible Laser Pointer to easily find to the point to be measured



Big and backlit LCD with indications of electronic level

STONEX R5 comes with a wide range of field applications, such as Set-up with Resection, Set Out, Area 3D & Volume, Remote Elevation, Reference line and arc, Missing Line Measurement, COGO routines

STONEX R5 is the perfect tool for cadastral survey, setting out and 3D data collecting for DTM, at budget price.

Technical features R5

Angle measurement	
Method	Absolute continuous
Display resolution	1"
Standard Deviation (ISO 17123-7)	5"
Telescope	
Magnification	30 x
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 prism	5.400 m
Measuring with reflective foil (60mm x 60mm)	250 m
Accuracy (Fine/Quick/Tracking)	2 mm + 2 ppm / 5 mm + 2 ppm
Measuring time (Tracking/Quick/Fine)	0.15 sec / 0.8 sec / 2.4 sec
EDM Reflectorless Distance Measurement	
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

Operation	
Display	160 x 280 pixel 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	5.07 Kg
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)

Specifications subject to change without notice.



STONEX AUTHORIZED DEALER

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