

## R6 TOTAL STATION THE HIGH-END OPTICAL INSTRUMENT

STONEX R6 long range reflectorless Total Station is the high-end optical instrument of the Stonex portfolio.

Up to 7.500 m with one prism and 600 m reflectorless distance measurements, 2" angular accuracy, USB & Host USB, Bluetooth, RS232, quadruple axis compensator are only the main features of STONEX R6.

Using a STONEX R6 in combination with one STONEX GNSS receiver (S9, S8 or S7G) the surveyor will enjoy the benefits of a Total Survey System: one software, one job file, one field book with GPS and TS measurements.

The 'pin point' EDM footprint (less than half size compared to well known competitors) and the high angular accuracy ensure the surveyor the best possible accuracy regardless of the distance.

The complete range of applications field software will help the surveyor to solve, directly in the field, any geometric calculation, thanks to different COGO functions.

STONEX R6 is rugged: tested against dust and water (IP54), provides the possibility to work in any hard condition.



Big and backlighted LCD with indications of electronic level

Different communications facilities:  
USB, USB Host,  
Bluetooth, RS 232

### EASY DATA

Many communication facilities: USB, USB Host, Bluetooth, RS 232

### LONG RANGE

Long range reflectorless measurements (600 m), with high accuracy pin point EDM

### POWERFUL

Long operation time: up to 9 hours of operation with one battery

### COMPLETE

Wireless Total Survey System in combination with one STONEX GNSS receiver

### EASY TO USE

Optional double keyboards and display, for easy use on field

## KEY FEATURES

Angle measurement	
Method	Absolute continuous
Display resolution	1"
Standard Deviation (ISO 17123-7)	2"
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	600 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
Interface	USB and RS232
Bluetooth	Available
USB Host	Available

Specifications subject to change without notice

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	5.1 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)



STONEX AUTHORIZED DEALER

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