



STONEX

R5 MANUAL TOTAL STATION



R5 MANUAL TOTAL STATION

Technical Data



Technical features R5 MANUAL TOTAL STATION

Angle measurement	
Method	Absolute continuous
Display resolution	1"
Standard Deviation (ISO 17123-7)	5"
Telescope	
Magnification	30x
Field of view	1° 30' (26m / 1Km)
Minimum focus	1,7m
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 / 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 (incl. Measur., coords & codes)
Interface	USB cable and RS232
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)

