



STONEX

**R2 MANUAL
TOTAL STATION
Reflectorless
350 meters**



R2 MANUAL TOTAL STATION



Technical Data

New STONEX R series

Reflectorless EDM 350 meters - Stonex optical excellence - Large outdoor - readable display - Rugged on every part - Easy to use - Best price/Benefit available.

International two years warranty

Every Stonex total station comes with an international warranty of 2 years upon the date from the first sale. We recommend you to purchase instruments only from authorized Stonex dealers and use them with Stonex accessories for better performances.

Technical features	R2 MANUAL TOTAL STATION
Angular Measurement	
Angular accuracy	2"(R2-2)/5"(R2-5)/7"(R2-7)
Measurement method	Absolute encoding
Measure plate diameter	79mm
Minimum readout	1"/5" optional
Detection method horizontal	dual
Detection method vertical	dual
Distance Measurement	
Range-single prism	3000m
Accuracy-single prism	2mm ± 2ppm
Range-triple prism	5000m
Accuracy-triple prism	2mm ± 2ppm
Range-reflectorless	350m
Accuracy-reflectorless	5mm ± 3ppm
Measuring time-fine	2 seconds
Measuring time-tracking	1 second
Atmospheric correction	Input manually - Auto correction
Prism correction factor	0-30mm
Display accuracy	Max. 999999.999 min. 1mm
Teleobjective	
Image	Erect
Length	154mm
Effective aperture Objective	45mm/EDM 50mm
Magnification	30X
Field of view	1°30'
Focus resolution	3"
Minimum focus distance	1m
Memory and processor	
Processor	32 bits
Internal memory	16MB
Storage capacity	10,000 points
Compensation	
Digital system	Liquid electronic detection
Compensator	Double axis
Initialization	Not required
Measurement method	Circular level
Operative range	±3'
Accuracy	1"
Level sensitivity	
Tubular level	30"/2mm
Circular level	10'/2mm
Laser plumbed	
Accuracy	± 0.15mm (1.5m)
Laser dot diameter	3 mm (1.5m)
Wave Length	630nm – 670 nm
Display screen	
Quantity	Double screen
Type	Back lighted LCD
Reading lines	8 alphanumeric / graphic
On screen resolution	1"
Battery	
Type	Ni-H rechargeable
Voltage	6V (DC)
Continuous operating time	8 hours
Recharge time	10 hours
Physical characteristics	
Size	200x190x350mm
Weight	6.0kg
Communication	
Type	wired
Port	USB

