R2 MANUAL
TOTAL STATION

Reflectorless
350 meters
### Angular Measurement
- Angular accuracy: 2"/(R2-2)/5"/(R2-5)/7"/(R2-7)
- Measurement method: Absolute encoding
- Measure plate diameter: 79 mm
- Minimum readout: 1"/5" optional
- Detection method horizontal: dual
- Detection method vertical: dual

### Distance Measurement
- Range-single prism: 3000 m
- Accuracy-single prism: 2 mm ± 2 ppm
- Range-triple prism: 5000 m
- Accuracy-triple prism: 2 mm ± 2 ppm
- Range-reflectorless: 350 m
- Accuracy-reflectorless: 5 mm ± 3 ppm
- Measuring time-fine: 2 seconds
- Measuring time-tracking: 1 second
- Atmospheric correction: Input manually - Auto correction
- Prism correction factor: 0-30 mm
- Display accuracy: Max. 999999.999 min. 1 mm

### Teleobjective
- Image: Erect
- Length: 154 mm
- Effective aperture Objective: 45 mm/EDM 50 mm
- Magnification: 30X
- Field of view: 1°30'
- Focus resolution: 3”
- Minimum focus distance: 1 m

### Memory and processor
- Processor: 32 bits
- Internal memory: 16 MB
- 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'/2 mm
- Circular level: 10'/2 mm

### Laser plummed
- Accuracy: ± 0.15 mm(1.5 m)
- Laser dot diameter: 3 mm (1.5 m)
- Wave Length: 630 nm – 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)
- Continous operating time: 8 hours

### Physical characteristics
- Size: 200x190x350 mm
- Weight: 6.0 kg

### Communication
- Type: wired
- Port: USB

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**STONEX NEW TOTAL STATION R2**

**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 acquire instruments only from authorized Stonex dealers and use them with Stonex accessories for better performances.

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