



WRS100SBR | 1D Ring Barcode Scanner **Lightweight Wearable Design for Hands-Free Scanning**



Key Features

- Scans Popular 1D Barcodes in either printed or on-screen (LCD) format
- Pairs with iOS, Android & Windows Mobile Devices
- Built-In Bluetooth
- Transmits Data to Host up to 10 meters away
- Laser Aim Assist for Quick Data Capture

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OPTIC & PERFORMANCE

Light Source: 650nm visible red laser
Compensation Light: Visible white LED
Sensor: Linear image sensor
Scan Rate: 400 Scans/ sec
Resolution: 4mil/ 0.1mm
Scan Angle: 41°
Pitch Angle: ±30°
Skew Angle: ±40°
Roll Angle: ±20°
Print Contrast Ratio: 30%
Width of Field: 13Mil Code39: 5.12 in (130 mm)
Memory: 2MB (20,000 barcodes)

D.O.F. ENVIRONMENT: 800 LUX

4 Mil Code 39: 1.96 ~ 2.75 in (45 ~ 70 mm)
5 Mil Code 39: 1.57 ~ 3.74 in (40 ~ 95 mm)
10 Mil Code 39: 1.57 ~ 6.69 in (40 ~ 170 mm)
15 Mil Code 39: 2.17 ~ 10.04 in (55 ~ 255 mm)
13 Mil UPC/EAN: 1.96 ~ 8.26 in (50 ~ 210 mm)

PHYSICAL CHARACTERISTICS

Dimension: W1.09 x L1.82 x H1.06 in (W27.6 x L46.2 x H26.8 mm)
Weight: .72oz. (20.5g) – scanner only
Color: Black
Material: PC+ABS
Cable: Micro(M) to USB A(M) Cable, 1.5M
Trigger: Scan button, function button
Indicator: LED, buzzer

ELECTRICAL

Operation Voltage: 3.7 VDC ± 5%
Working Current: < 85mA
Standby Current: < 30mA
Power Down Current: < 155uA
Battery: 3.7V, 200mAh, Li-Polymer battery
Number of Scans (full charge): 6000 scans
(1 scan/ 5 secs, Bluetooth connected)

CONNECTIVITY

Radio: Bluetooth 4.1 (Class 2)
Range: 33 ft./ 10 m (line of sight)
Interface/Profile: BT HID, USB HID, USB VCP, Memory

USER ENVIRONMENT

Operating Temperature: 14 ~ 122 °F (-10 ~ 50°C)
Storage Temperature: -4 ~ 140 °F (-20 ~ 60°C)
Humidity: 0% ~ 95%RH (non-condensing)
Drop Durability: 5 ft. (1.5 m)
Sealing: IP42
Ambient Light: 70,000 Lux (Sunlight)
Symbologies: UPC-A/UPC-E, EAN-8/EAN-13, Industrial 2 of 5, Codabar, Matrix 2 of 5, Code 11, Code 93, Code 32, Code 128, Standard Code 39, Full ASCII Code 39, Interleaved 2 of 5, China Postal Code, MSI Plessey Code, UK Plessey Code, EAN/UCC 128, Telepen Code, IATA Code, GS1 Databar

REGULATORY

ESD: Functional after 4KV contact, 8KV Air discharge
EMC/RF: FCC Part15B ClassB, Part15C, CE EN62479, EN301489-1-17, EN300328 V2.1.1, TELEC
Safety Approval: EN/IEC60825-1 (Class 1), FDA, EN/IEC60950-1
Environmental: WEEE, RoHS 2.0, REACH

ACCESSORY

Cable: Micro(M) to USB A(M) Cable, 1.5M, Black
Hand Strap (Lanyard): Velcro Strap, Black



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