



WRS350 Ring Scanner | 2D + Bluetooth

The Most Lightweight Ring Scanner with an Ergonomic Design and Impressive Battery Life

Key Features

- Quickly capture any 1D or 2D barcodes in any orientation in either printed or on-screen (mobile phones or LCD) format
- Built-in memory of 2MB, ring scanner can store up to 20,000 data scanned in user-friendly file format
- Withstands multiple 5' drops to concrete
- Wireless connectivity allows for up to 66' line of sight from a mobile device
- Compatible with Android and iOS devices



WRS350 Ring Scanner | 2D + Bluetooth

OPTIC & PERFORMANCE

Light Source: White LED
625nm Red LED
Sensor: 640 x 480
Scan Rate: 30 frames/sec
Resolution: 3mil/ 0.075mm
Scan Angle: Horizontal 43°, Vertical 23°
Pitch Angle: ±55°
Skew Angle: ±55°
Roll Angle: 360°
Print Contrast Ratio: 10%
Width of Field: 13Mil Code39 (176 mm)
Memory: 2MB (20,000 barcodes)



D.O.F. ENVIRONMENT: 800 LUX

5 Mil Code 39: 1.654 ~ 8.031 in (42 ~ 204 mm)
13 Mil UPC/EAN: 1.772 ~ 13.78 in (45 ~ 350 mm)
15 Mil QR Code: 1.102 ~ 9.685 in (28 ~ 246 mm)
6.67 Mil PDF417: 1.811 ~ 5.984 in (46 ~ 152 mm)
10 Mil Data Matrix: 1.457 ~ 5.906 in (37 ~ 150 mm)

PHYSICAL CHARACTERISTICS

Dimension: W1.09 x L1.82 x H.1.06 in (W27.6 x L46.2 x H26.8 mm)
Weight: .68 oz. (19.4 g) – scanner only
Color: Black
Material: PC+ABS
Cable: Type-C USB Cable, 1.5M
Trigger: Touch switches, function button
Indicator: LED, buzzer

ELECTRICAL

Operation Voltage: 3.7 VDC ± 5%
Working Current: < 210mA
Standby Current: < 25mA
Power Down Current: < 500uA
Battery: 3.7V, 240mAh, Li-Polymer battery
Battery life (full charge): 4000 scans
(1 scan/ 5 secs, Bluetooth connected)

CONNECTIVITY

Radio: Bluetooth 5.0 dual mode (Class 2)
Range: 66 ft./ 20 m (line of sight)
Interface/Profile: BT HID, BT SPP, 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: 100,000 Lux (Sunlight)

DATA COLLECTION

1D Symbologies: Code 128, EAN-13, EAN8-, UPC-E, UPC-A, ISBN, ISSN, Code 11, Interleaved 2 of 5, Code 39, Code 93, Code 32, Codabar, Matrix 2 of 5, Industrial 2 of 5, Standard 2 of 5, Plessey, MSI Plessey, GS1 Databar, Febraban, Composite
2D Symbologies: QR Code, Micro QR Code, PDF417, MicroPDF417, Data Matrix, Aztec, MaxiCode, HanXin, Dotcode

REGULATORY

ESD: Functional after 4KV contact, 8KV Air discharge
EMC/RF: TELEC, FCC Part15B Class B, Part15C, CE EN300328 V2.1.1, EN301489-1-17, EN62368
Safety Approval: IEC62471 (Exempt Group)
Environmental: RoHS 2.0

ACCESSORIES

Cable: Type-C USB Cable, 1.5M, Black
Hand Strap: Velcro Strap, Black
Wasp WRS100/WRS350 Ring Scanner Charging Cradle

Wasp North America

1400 10th Street
Plano, Texas 75074
1-866-547-9277

www.waspbarcode.com

Wasp Europe

Dunstable Road
Redbourn, St Albans
AL3 7PR, UK
0845-430-1971

www.waspbarcode.co.uk

Wasp International

+1 214-547-4100