

SA RF3100 Series is 433MHz Wireless barcode scanner, this single-line laser scanners deliver quality barcode scanning and offer aggressive scanning of all standard 1D bar codes. It includes H3100 and H3100-AI.

This series have a longer working range and a wider scan field than a typical CCD. The width of the scan line grows as the scanner moves further away from bar codes. It provides the user with a high quality laser line for bar code detection.

Unlike other value-priced solutions that sacrifice usability features, RF3100 Series provides an ergonomic user-preferred finger trigger design and a cradle for comfortable and intuitive use. Moreover, SA RF3100-AI has the patented automatic infrared activation technology for automatic scanning.

433MHz Wireless Technology provides the powerful 300meters for data communication, which is ideal scanner for high productivity by wireless fast data transfer.

This series can also provide excellent performance for a wide variety of applications, such as logistics, warehousing, retail, government, distribution centers, manufacturing, field service, direct to store delivery, healthcare, laboratory, etc.



## Features

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- **Optional Automatic Scanning:** Integrated with Automatic scanning in the scanning head
- **User-Friendly Design:** Pistol-style with index finger trigger ensuring operator comfort and ease of use.
- **Intuitive Aiming Line:** Thin, crisp aiming line for ease-of-use in scanning bar coded menus and densely populated documents.
- **Light Source:** High-visibility laser allows the user to place the line on bar code
- **Ease of Connectivity:** 300 meters wireless data transfer and Common interfaces are integrated to ensure fast and easy connection to your host or PC.
- **Reliable:** The durability of 100% solid state technology and a 1-year warranty.
- **Intuitive User Feedback:** Programmable options for application, beeper settings, etc.
- **Others:** 32bits high speed decoder for fast decoding, support one cradle to Multi handsets.

## Electrical

**Input Voltage:** 5 V DC (±0.25)

**Current:** Operating (Typical): 25mA; Max: 95mA  
250mA (Charging)

Charging Method: Charging by cradle CT310 or by scanner micro USB interface

**Battery Capacity:** 1450mAh

## Mechanical

**Dimension:** 103.0cm\* 66.8mm \*165.0 mm(L\*W\*H)

**Cradle Dimension:** 137.1cm\* 114.2mm \*75.7 mm(L\*W\*H)

**Weight:** 175g (scanner), 185g (Cradle)

**Housing:** ABS+PC

**IP Rating:** IP41

## Environmental

**Operating Temperature:** -10°C to +50°C

**Storage Temperature:** -40°C to +60°C

**Humidity:** 5% to 90%, non-condensing

**Mechanical Shock:** Operational after 25 drops from 1.2 m to concrete

## Decoding Capability

**1-D** UPC/EAN (UPCA/UPCE/UPCE1/EAN-8/EAN-13/JAN-8/JAN-13 plus supplementals, ISBN (Bookland), ISSN, Coupon Code), Code 39 (Standard, Full ASCII, Trioptic, Code 32 (Italian Pharmacode), Code 128 (Standard, Full ASCII, UCC/EAN-128, ISBT-128 Concatenated), Code 93, Codabar/NW7, 2 of 5 (Interleaved 2 of 5, Discrete 2 of 5, IATA, Chinese 2 of 5, Matrix 2 of 5, Code 11), MSI Plessey, GS1 DataBar Omnidirectional, Truncated, Stacked, Stacked Omnidirectional, Limited, Expanded, Expanded Stacked)

**Postal** 4 State Customer, UPU FICS 4 State Postal, USPS 4CB, Canadian Post

## Scan Performance

**Scan Pattern:** Single scan line

**Light Source:** 650-nanometer laser

**Typical Depth of Field:** Minimum distance determined by symbol length, scan angle, printing resolution, contrast, ambient light dependent, etc.

**Code 39** 5 mils: 1.0 to 16.0 cm

**Code 39** 10 mils: 1.0 to 30.0 cm

**Code 128** 15 mils: 5.0 to 65.0 cm

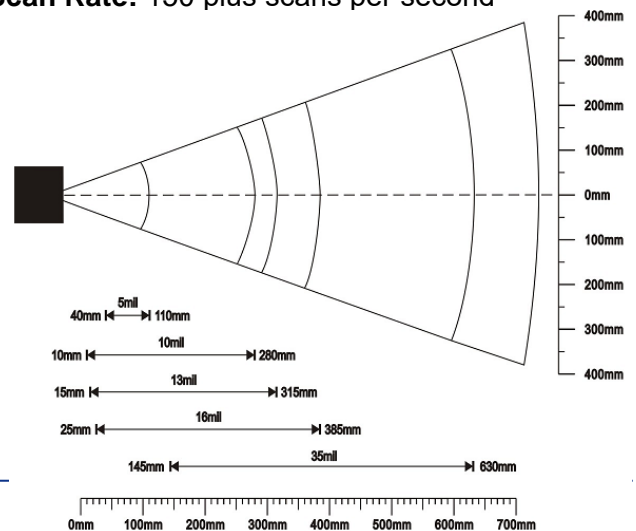
**Resolution (Minimum):** 4 mil

**Skew Angle:** ±45°

**Pitch Angle:** ±45°

**Minimum Symbol Contrast:** 30%

**Scan Rate:** 150 plus scans per second



## Interface

**Interface:** RS-232; USB

Communication Distance

## Certifications

Certification: CE, FCC

## Warranty

Warranty: One year factory warranty.

Accessories



CT310 Optional Stand



Scanner with Stand Demo



T-2M-USB Cable

