ESD Scanner

◆ Product Description

The barcode scanner is a professional data collection device specifically designed for ESD-sensitive industries. Its core advantage lies in integrating high-efficiency 1D barcode reading capability and ESD (Electrostatic Discharge) protection function. It not only meets the need for rapid 1D barcode collection in production processes but also avoids damage to sensitive components caused by electrostatic discharge through its anti-static design. Meanwhile, it prevents the scanner itself from accumulating static electricity and triggering potential safety hazards.

- ESD Protection Design
- Industrial-Grade 1D Barcode Accurate Reading Capability
- Multi-Interface Compatibility & System Integration
- Ergonomics & Low-Fatigue Operation Design
- Harsh Environment Durability Adaptability

◆ Product Structure

- The external part of the ESD barcode scanner adopts an anti-static PC/ABS alloy housing, combined with IP54/IP64 protection. Its internal core is a 1D scanning engine equipped with metal shielding and a buffer bracket, supplemented by an ESD protection circuit that includes TVS diodes (Transient Voltage Suppressor diodes) and a star grounding network. The overall structure not only ensures the accurate reading of 1D barcodes.

◆ Typical Applications

- The barcode scanner is applied to retail cash register, inventory checking, logistics and warehouse picking, goods traceability, medical drug verification, and is equipped with disinfection capability; it is also used for manufacturing production line traceability, quality inspection code scanning, e-commerce peak season sorting, and return and exchange verification. It accurately addresses the pain points of low data collection efficiency and poor environmental adaptability in various industries.

◆ Typical Product Data and Physical Properties

Housing Material: ABS+PC Alloy
Light Source Type: 650nm Laser Diode
Color: Black
Dimensions: L87.8mm * W71.6mm *H177.7mm
Bluetooth Version: Bluetooth 4.0
Battery Capacity: 2850mAh
Scanning Speed:104-547 Times/Sec
Surface Resistance: $1.0*10E5-9\Omega$

Availability:

Item#	Model	Weight
1.5.07.11.0005	One dimensional ESD scanner	1.2kg

◆ Technical and Application Assistance

HORB provides a technical hotline to answer your technical and application related questions.

◆ Note:

This information is believed to be accurate. It is intended for professional end users having the skills to evaluate and use the data properly. HORB data for reference only

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