

PowerScan® 7000BT SRI

Industrial Strength RF Imaging Scanner

Data Sheet



Features

- Solid state design makes the PowerScan 7000BT SRI the most rugged and reliable RF scanner on the market
- Bluetooth Wireless Technology with up to 328' / 100 m range
- Can be used with connectivity through the Base Station or directly to other Bluetooth devices
- Best dust and water sealing (IP65) on the market
- Industry leading standard range depth of field (DOF)
- Full multi-interface capability

Accessories

- Four-slot battery charger
- Scan stand
- Take-up reel
- Holster/fork lift mount
- PowerHood

Mechanical

Scanner

Dimensions: 8.0 x 3.0 x 4.5" / 203 x 76 x 115 mm
Weight: 13.5 oz / 383 g

Base Station (antenna down)

Dimensions: 9.4 x 4.6 x 1.9" / 239 x 117 x 48 mm
Weight: 12.6 oz / 358 g

Beeper/Speaker: 87 dBA for operator @ 50 cm (typical)

Environmental

Temperature Rating

Storage (Scanner/Battery): -4° to 140° F / -20 to 60° C
Storage (Base): -40° to 140° F / -40 to 60° C
Operating: -4° to 122° F / -20 to 50° C
Charging: 32° to 113° F / 0 to 45° C

Humidity: 5 to 95% NC

Shock: Withstands 50 drops from 6.5' / 2 m to concrete

Vibration: Meets MIL-STD-810E

Water & Particulate Sealing: IP65

Optical

Scanning Width: 2" wide at 1" from scanner; 6" wide at 7" from scanner

Minimum Resolution: 3 mil minimum element size

Skew (Yaw): ± 60°

Pitch: ± 65°

Roll: ± 40°

Depth of Field: See Depth of Field Table below

DEPTH OF FIELD Range Comparisons	
LABEL DENSITY	STANDARD RANGE
5 mil	3 to 6' / 76 to 15.2 cm
7.5 mil	2 to 16' / 51 to 40.6 cm
10 mil	15 to 22' / 3.8 to 55.9 cm
13 mil	1 to 30" / 2.5 to 76.2 cm
20 mil	1 to 42" / 2.5 to 106.7 cm
55 mil	2 to 80" / 51 to 203.2 cm

Minimum distance determined by symbol length and scan angle. Printing resolution, contrast, ambient light, temperature, and scan angle dependant.

Electrical

External power input requires PSC approved power supply

Input voltage (base station): +4.0 to 14.0V power off terminal

Input current (nominal)

Charger Empty; Radio Operating: 100 mA

Battery in Fast Charge: 1.2A

Battery Charge Times

In Base Station: Less than 4 hours

In Optional Charger: Less than 4 hours

Decoding Capability (autodiscriminates among)

- Codabar
- Code 93
- Code 128
- Code 128 add-ons
- Code 128 ISBT
- EAN 128
- MSI/Plessey
- Standard 2 of 5
- UPC/EAN/JAN
- PDF-417
- Italian Pharmacode 39
- P2 /P5 add-ons
- RSS-14
- RSS Expanded
- Interleaved 2 of 5

Host Communications

RS-232, Keyboard Wedge, USB, Wand Emulation, IBM 46XX, and USB (IBM SurePos).

In addition to standard PC/AT/PS/2, the keyboard wedge interface supports the following: Wyse 55, 60, 120, 150, etc.; IBM 347X/3487/31XX; Digital VT220, 240, 320, 420, 510, 520; Sun 420, ITX, and Sparc 5/10.

Safety & Regulatory

Electrical: Complies to UL; cUL; EN60950

Emissions: Complies to FCC; EN 55022; CISPR22

Radio: FCC Part 15C, R and TTE, and IC

Laser Classification: CDRH Class II,

(Caution: Laser Radiation - do not stare into beam); IEC 60825 Class 2

Restriction of Hazardous Substances: Complies to EU RoHS



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