

# PowerScan® 7000BT SRI

# Data Sheet

Industrial Strength RF Imaging Scanner



## 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 100 m / 328' 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: 203 x 76 x 115 mm / 8.0 x 3.0 x 4.5"  
 Weight: 383 g / 13.5 oz  
**Base Station** (antenna down)  
 Dimensions: 239 x 117 x 48 mm / 9.4 x 4.6 x 1.9"  
 Weight: 358 g / 12.6 oz  
**Beeper/Speaker:** 87 dBA for operator @ 50 cm (typical)

## Environmental

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

**Humidity:** 5 to 95% NC  
**Shock:** Withstands 50 drops from 2 m / 6.5' 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	76 to 15.2 cm / 3 to 6"
75 mil	51 to 40.6 cm / 2 to 16"
10 mil	3.8 to 55.9 cm / 15 to 22"
13 mil	2.5 to 76.2 cm / 1 to 30"
20 mil	2.5 to 106.7 cm / 1 to 42"
55 mil	5.1 to 203.2 cm / 2 to 80"

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

## Electrical

External power input requires Datalogic Scanning 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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