



**Industrial Handheld Linear Imager Bar Code Reader with Bluetooth® Wireless Technology**

The PowerScan 7100/7000 product series are Datalogic Scanning's value line of rugged industrial handheld data collection products. The PowerScan® 7000BT SRI scanner is the market's most durable and reliable cordless bar code reader. With an industry leading 500 scans per second read rate and great depth of field, the PowerScan 7000BT SRI delivers top scanning performance and 100 meter, Class 1 Bluetooth® Wireless Technology. This value priced cordless scanner can work through its own base station or in a system where it is directly linked to other Bluetooth enabled devices.

Together high-speed digital hardware and Datalogic Scanning's advanced decoding algorithms produce read rates up to 500 scans per second, making the PowerScan 7000BT readers the fastest industrial scanners available.

Operator mobility is guaranteed by Bluetooth Wireless Technology which can be implemented through the base station

or by connecting the scanner directly to any commercial or embedded Bluetooth® compliant device.

The base station can be connected to the host through a multi-interface that includes RS-232, Keyboard Wedge, Wand Emulation, USB and IBM46xx.

Light weight and instinctive usage combined with outstanding speed-to-read makes the 7000BT the ideal solution for intensive code reading applications.



**Features**

- Fastest speed-to-read - 500 scans/second
- Bluetooth Wireless Technology with up to 100 m / 328 ft range
- Connectivity through the Base Station or directly to other Bluetooth devices
- Water and particulate sealing rating: IP65
- Drop resistance to 2.0 m / 6.5 ft
- 25kV Electrostatic protection (air discharge)
- Model option with aimer for optimal code pointing



## Specifications

### CORDLESS COMMUNICATIONS

BLUETOOTH® WIRELESS TECHNOLOGY

Protocol: Bluetooth® 2.0 Certified Class 1  
Radio Frequency: 2.40 to 2.48 GHz  
Radio Range (Open Air): 100.0 m / 328.1 ft

### DECODING CAPABILITY

1D / LINEAR CODES

Autodiscriminates all standard 1D codes including GS1 Databar™ linear codes

STACKED CODES

GS1 DataBar Expanded Stacked; GS1 DataBar Stacked; GS1 DataBar Stacked Omnidirectional; MicroPDF417; PDF417

### ELECTRICAL

BATTERY

Battery Type: Lithium-Ion, 2400 mAh

CRADLE INDICATOR LEDS

Charge Time: External Power: 4 Hours  
Battery Charging (Yellow, Blinking); Charge Completed (Yellow, Steady)

CURRENT

Operating (Typical): 280 mA @ 5 VDC  
Standby/Idle (Typical): 210 mA @ 5 VDC

INPUT VOLTAGE

4 - 14 VDC

### ENVIRONMENTAL

DROP RESISTANCE

Withstands 50 drops from 2.0 m / 6.6 ft onto a concrete surface

ESD PROTECTION (AIR DISCHARGE)

25 kV

HUMIDITY (NON-CONDENSING)

5 - 95%

PARTICULATE AND WATER SEALING

IP65

TEMPERATURE

Operating: -20 to 50 °C / -4 to 122 °F  
Storage/Transport: -20 to 60 °C / -4 to 140 °F

### INTERFACES

IBM 46xx; Keyboard Wedge; OEM (IBM) USB; RS-232; USB; Wand

### PHYSICAL CHARACTERISTICS

COLORS AVAILABLE

Yellow/Black

DIMENSIONS

Cradle: 23.9 x 11.7 x 4.8 cm / 9.4 x 4.6 x 1.9 in

Reader: 20.3 x 7.6 x 11.4 cm / 8.0 x 3.0 x 4.5 in

WEIGHT

Cradle: 357.2 g / 12.6 oz

Reader: 382.7 g / 13.5 oz

### READING PERFORMANCE

LIGHT SOURCE

Aiming: 630 - 680 nm VLD; Illumination: LED Array 630 - 670 nm

PRINT CONTRAST RATIO (MINIMUM)

20%

READ RATE (MAXIMUM)

500 reads/sec.

READING ANGLE

Pitch: +/- 65°; Roll (Tilt): +/- 40°; Skew (Yaw): +/- 60°

READING INDICATORS

Beeper (Adjustable Tone); Good Read LED

RESOLUTION (MAXIMUM)

0.100 mm / 4 mils

### READING RANGES

TYPICAL DEPTH OF FIELD

Minimum distance determined by symbol length and scan angle.

Printing resolution, contrast, and ambient light dependent.

5 mils: 7.6 to 15.2 cm / 3.0 to 6.0 in

7.5 mils: 5.1 to 40.6 cm / 2.0 to 16.0 in

10 mils: 3.8 to 55.9 cm / 1.5 to 22.0 in

13 mils: 2.5 to 76.2 cm / 1.0 to 30 in

20 mils: 2.5 to 106.7 cm / 1.0 to 42.0 in

55 mils: 5.1 to 203.2 cm / 2.0 to 80.0 in

### SAFETY & REGULATORY

AGENCY APPROVALS

The product meets necessary safety and regulatory approvals for its intended use.

The Quick Reference Guide for this product can be referred to for a complete list of certifications.

Complies to EU RoHS

Caution Laser Radiation - Do not stare into beam

CDRH Class II; IEC 60825 Class 2

ENVIRONMENTAL COMPLIANCE

LASER CLASSIFICATION

### WARRANTY

3-Year Factory Warranty

### Batteries/Battery Chargers

- 11-0202 Battery Charger, 4 Station, US T&L
- 11-0203 Battery Charger, 4 Station, US Std
- 11-0204 Battery Charger, 4 Station, Europe
- 11-0205 Battery Charger, 4 Station, UK
- 11-0218 Battery Pack



### Cases/Holsters

- 11-0109 PowerHood Padded Cover
- 11-0138 Heated Holder, 36 VDC
- 11-0139 Heated Holder, 24 VDC
- 11-0140 Heated Holder, 48 VDC



### Mounts/Stands

- 11-0110 Hands Free Stand
- 11-0111 Universal Mounting Kit
- 7-0404 Industrial Take-Up Reel

The Bluetooth word mark and logos are owned by the Bluetooth SIG, Inc. and any use of such marks by Datalogic Scanning Inc. is under license.

© 2006-2008 Datalogic Scanning Inc. All rights reserved. • Protected to the fullest extent under U.S. and international laws. • Copying, or altering of this document is prohibited without express written consent from Datalogic Scanning, Inc.

Datalogic is a registered trademark of Datalogic S.p.A. in many countries and the Datalogic logo is a trademark of Datalogic S.p.A. • PowerScan is a registered trademark of Datalogic Scanning Inc.

Other brand and product names may be trademarks of their respective owners.

Product specifications are subject to change without notice.

DS-POWERSCAN7000BT-ENA4 20081031