



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
Charge Time: External Power: 4 Hours
Battery Charging (Yellow, Blinking); Charge Completed (Yellow, Steady)
Operating (Typical): 280 mA @ 5 VDC
Standby/Idle (Typical): 210 mA @ 5 VDC
4 - 14 VDC

CRADLE INDICATOR LEDS

CURRENT

INPUT VOLTAGE

ENVIRONMENTAL

DROP RESISTANCE

ESD PROTECTION (AIR DISCHARGE)

HUMIDITY (NON-CONDENSING)

PARTICULATE AND WATER SEALING

TEMPERATURE

Withstands 50 drops from 2.0 m / 6.6 ft onto a concrete surface
25 kV
5 - 95%
IP65
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

DIMENSIONS

WEIGHT

Yellow/Black
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
Cradle: 357.2 g / 12.6 oz
Reader: 382.7 g / 13.5 oz

READING PERFORMANCE

LIGHT SOURCE

PRINT CONTRAST RATIO (MINIMUM)

READ RATE (MAXIMUM)

READING ANGLE

READING INDICATORS

RESOLUTION (MAXIMUM)

Aiming: 630 - 680 nm VLD; Illumination: LED Array 630 - 670 nm
20%
500 reads/sec.
Pitch: +/- 65°; Roll (Tilt): +/- 40°; Skew (Yaw): +/- 60°
Beeper (Adjustable Tone); Good Read LED
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

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

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