



## BUILT TO LAST

PowerScan™ bar code readers are the ultimate industrial handheld devices, designed and constructed to withstand the toughest environmental conditions in demanding applications, offering lasting performance and outstanding reliability combined with exceptional reading performance and accuracy. The PowerScan PBT9300 laser scanner features standard *Bluetooth*® wireless technology combined with the outstanding reliability and reading performance found in all PowerScan products.

## SIMPLE TO USE AND DEPLOY

Based on *Bluetooth* 3.0 standard wireless technology, Class 1 Range (in open air); up to 100 m / 328 ft. Connectivity is implemented through the receiving base station, which communicates to the host through a choice of interfaces (Serial, USB or Keyboard Wedge) or by connecting the scanner directly to any commercial or embedded *Bluetooth* compliant device, or via Ethernet by using the BC9180-BT base/charger using Standard Ethernet and Industrial Ethernet protocols (Ethernet IP and Modbus).

## WIDE READING CAPABILITY

The PowerScan PBT9300 scanner mounted on a forklift with a Vehicle Mount Terminal (VMT) provides an excellent solution for warehouse applications.

The PowerScan PBT9300 laser scanner is available in two different optics: Standard Range (SR) or Auto Range (AR) for reading distances up to 11.5 m / 37.0 ft on reflective codes.



## FEATURES

- *Bluetooth* 3.0 Class 1 compliant
- Supports *Bluetooth* wireless technology SPP and HID profiles
- Piconet with up to 7 scanners connected to the same base station
- Ethernet Connectivity (Standard and Industrial)
- Optics are available in:
  - **Standard Range:** contact up to 1.6 m / 5.2 ft
  - **Auto Range:** up to 11.5 m / 37.0 ft on reflective codes
- Datalogic 3GL™ and loud beeper for good-read feedback
- User replaceable Lithium-Ion battery
- Operates over a wide range of temperatures
- Water and Particulate Sealing Rating: IP65
- Drop resistance to 2.0 m / 6.5 ft
- EASEOFCARE Service Plans offer a wide range of service options to protect your investment, ensuring maximum productivity and ROI

## INDUSTRY-APPLICATIONS

- Warehouse and Distribution Centers: Shipping and Receiving, Order Processing, Parcel Preparation, Pallet Tracking and Put-away
- Manufacturing / Shop Floor: Work in Progress, Component Tracking, Quality Control and Inventory

## TECHNICAL SPECIFICATIONS

### CORDLESS COMMUNICATIONS

|   |  |
|---|--|
| <b>BLUETOOTH WIRELESS TECHNOLOGY PROFILES</b> | Maximum number of devices per base station: 7<br>HID (Human Interface Device)<br>SPP (Serial Port Profile)<br><i>Bluetooth</i> 3.0 Certified Class 1 |
| <b>PROTOCOL</b>                               | 2.40 to 2.48 GHz   |
| <b>RADIO FREQUENCY</b>                        | Class 1: up to 100 m / 328 ft  |
| <b>RADIO RANGE (OPEN AIR)</b>                 | Range distances are measured using the base station. Range with connection to other <i>Bluetooth</i> peripherals may show different results.         |
| <b>SECURITY</b>                               | Data Encryption; Scanner Authentication  |

### DECODING CAPABILITY

|                     |  |
|---------------------|--|
| <b>PBT9300-XX</b>   | GS1 DataBar™ linear codes, UPC/EAN, UPC/EAN P2/P5 add ons, UPC/EAN Coupons, ISBN, Code 128, EAN 128, Code 39, Code 39 Full ASCII, Code 39 CIP, Code 32, Codabar, Interleaved 2 of 5, IATA, Industrial 2 of 5, Standard 2 of 5, Code 11, MSI, Plessey, Code 93, Follet 2/5, Code 4, Code 5, Datalogic 2 of 5, Codablock F |
| <b>PBT9300-ARXX</b> | GS1 DataBar™ linear codes, UPC/EAN, UPC/EAN P2/P5 add ons, UPC/EAN Coupons, ISBN, Code 128, EAN 128, Code 39, Code 39 Full ASCII, Code 32, Codabar, Interleaved 2 of 5, Standard 2 of 5, MSI, Code 93  |

### ELECTRICAL

|                              |   |
|------------------------------|---|
| <b>BATTERY</b>               | Battery Type: Lithium-Ion, 2150 mAh;<br>Charge Time: External Power: 4 Hours;<br>Host Power: 10 hours |
| <b>READS PER CHARGE</b>      | 50,000+ (continuous reading)  |
| <b>CRADLE INDICATOR LEDS</b> | Battery Charging (Red); Charge Completed (Green); Power/Data (Yellow)                                 |
| <b>CURRENT</b>               | External Power: max. 10 W (charging)  |
| <b>INPUT VOLTAGE</b>         | POT: max. 500 mA (charging)<br>10 - 30 VDC, POT: 5 VDC +/- 10%  |

### ENVIRONMENTAL

|                                       |   |
|---------------------------------------|---|
| <b>AMBIENT LIGHT</b>                  | Immune to light exposure in offices/facilities and direct exposure to sunlight.           |
| <b>DROP RESISTANCE</b>                | Withstands 50 drops from 2.0 m / 6.5 ft onto a concrete surface.                          |
| <b>ESD PROTECTION (AIR DISCHARGE)</b> | 20 kV   |
| <b>HUMIDITY (NON-CONDENSING)</b>      | 0 - 95%   |
| <b>PARTICULATE AND WATER SEALING</b>  | IP65  |
| <b>TEMPERATURE</b>                    | Operating: -20 to 50 °C / -4 to 122 °F<br>Storage/Transport: -40 to 70 °C / -40 to 158 °F |

### INTERFACES

|                   |  |
|-------------------|--|
| <b>INTERFACES</b> | Keyboard Wedge RS-232;<br>USB: OEM USB; USB COM; USB HID Keyboard;<br>Optional Ethernet (Standard, Industrial) |
|-------------------|--|

### PHYSICAL CHARACTERISTICS

|                   |   |
|-------------------|---|
| <b>DIMENSIONS</b> | Cradle: 24.0 x 10.8 x 9.5 cm / 9.4 x 4.3 x 3.8 in<br>PBT9300: 21.2 x 11.0 x 7.4 cm / 8.3 x 4.3 x 2.9 in |
| <b>WEIGHT</b>     | Cradle: 380.0 g / 13.4 oz;<br>PBT9300-XX: 405.0 g / 14.2 oz<br>PBT9300-ARXX: 435.0 g / 15.3 oz          |

### READING PERFORMANCE

|                                       |   |
|---------------------------------------|---|
| <b>LIGHT SOURCE</b>                   | 630 - 680 nm VLD  |
| <b>PRINT CONTRAST RATIO (MINIMUM)</b> | 25%   |
| <b>SCAN RATE</b>                      | PBT9300-XX: 104 +/- 12 scans/sec.<br>PBT9300-ARXX: 35 +/- 5 scans/sec.  |
| <b>READING ANGLE</b>                  | PBT9300-XX: Pitch: 40°; Roll (Tilt): +/- 35°;<br>Skew (Yaw): +/- 65°<br>PBT9300-ARXX: Pitch: 60°; Roll (Tilt): +/- 10°;<br>Skew (Yaw): +/- 65°                          |
| <b>READING INDICATORS</b>             | Beeper (Adjustable Tone and Volume); Datalogic Three Green Lights (3GL™) Good Read Feedback; Datalogic 'Green Spot' on the Code; Dual Good Read LEDs; Good Transmission |
| <b>RESOLUTION (MAXIMUM)</b>           | PBT93X0: 0.076 mm / 3 mils;<br>PBT93X0 Auto Range: 0.190 mm / 7.5 mils  |

### READING RANGES

|   |   |
|---|---|
| <b>TYPICAL DEPTH OF FIELD</b>             | Minimum distance determined by symbol length and scan angle.<br>Printing resolution, contrast, and ambient light dependent. |
| <b>PBT9300: Code 39</b>                   | <b>PBT9300 AR: Code 39</b>  |
| 5 mils: 1.5 to 28.0 cm / 0.4 to 11.8 in   | 7.5 mils: 9.0 to 50.0 cm / 3.5 to 19.7 in   |
| 7.5 mils: 1.5 to 42.0 cm / 0.6 to 16.5 in | 10 mils: 14.0 to 85.0 cm / 5.5 to 33.5 in   |
| 10 mils: 2.0 to 50.0 cm / 0.8 to 19.7 in  | 15 mils: 15.0 to 155.0 cm / 5.9 to 61.0 in  |
| 20 mils: 2.0 to 110.0 cm / 0.8 to 43.3 in | 20 mils: 15.0 to 220.0 cm / 5.9 to 86.6 in  |
| 40 mils: 2.0 to 160.0 cm / 0.8 to 63.0 in | 40 mils: 20.0 to 340.0 cm / 7.9 to 133.9 in   |
| 40 mils: 2.0 to 160.0 cm / 0.8 to 63.0 in | 55 mils: 25.0 to 420.0 cm / 9.8 to 165.4 in   |
|   | <b>Reflective Labels: Code 39:</b>  |
|   | 70 mils: up to 9.0 m / 29.0 ft  |
|   | 100 mils: up to 11.5 m / 37 ft  |

Note: Reading Performances may change with different symbologies

### SAFETY & REGULATORY

|                                 |  |
|---------------------------------|--|
| <b>AGENCY APPROVALS</b>         | The product meets necessary safety and regulatory approvals for its intended use. See the Regulatory Addendum for details. |
| <b>ENVIRONMENTAL COMPLIANCE</b> | Complies to China RoHS; Complies to EU RoHS  |
| <b>LASER CLASSIFICATION</b>     | Caution Laser Radiation - Do not stare into beam; CDRH Class II; EN 60825-1 Class 2  |

### UTILITIES

|                             |   |
|-----------------------------|---|
| <b>DATALOGIC ALADDIN™</b>   | Datalogic Aladdin configuration program is available for download at no charge                                    |
| <b>OPOS / JAVAPOS</b>       | JavaPOS Utilities are available for download at no charge; OPOS Utilities are available for download at no charge |
| <b>REMOTE HOST DOWNLOAD</b> | Available on request  |

### WARRANTY

|                 |                         |
|-----------------|-------------------------|
| <b>WARRANTY</b> | 3-Year Factory Warranty |
|-----------------|-------------------------|

## ACCESSORIES

### Base Stations/Chargers



▪ BC9030-BT Base/Charger, Multi-Interface



▪ BC9130-BT Base/Dual Charger, Multi-Interface  
▪ BC9180-BT Base/Dual Charger/Ethernet (Standard, Industrial)

### Cases/Holsters



▪ HLS-P080 Universal Holster (HLS-8000)

### Mounts/Stands



▪ HLD-P080 Desk/Wall Holder (HLD-8000)



▪ 7-0404 Industrial Take-Up Reel