POWERSCAN™ PBT8300

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 PBT8300 laser scanner features the standard Bluetooth® wireless technology combined with the outstanding reliability and reading performance found in PowerScan products.

SIMPLE TO USE AND DEPLOY
Based on the Bluetooth 2.0 standard, the PowerScan PBT8300 scanner is easily configured to be compliant with Class 1 or Class 2 requirements, according to the mobility range desired, allowing for distances that exceed 90 m / 295 ft in open air. Connectivity is implemented through the receiving base station, which communicates to the host through a choice of interfaces (Serial, USB, Keyboard Wedge or Wand Emulation), or by connecting the scanner directly to any commercial or embedded Bluetooth® compliant device, or via Ethernet (in compatibility mode), by using the BC9180-BT base/charger: Standard Ethernet and Industrial Ethernet protocols (Ethernet IP and Modbus).

DEVELOPED FOR INDUSTRIAL USE
The PowerScan PBT8300 scanner mounted on a forklift with a Vehicle Mount Terminal (VMT) provides an excellent solution for warehouse applications. The PowerScan PBT8300 is available in three different models: a basic cordless model (PBT8300); an intermediate model with a display and 3-key keypad (PBT8300-D); and the advanced model (PBT8300-DK) which features a display and a full 16-key alphanumeric keyboard. The PBT8300-DK model additionally includes an embedded code-quantity application, for use in inventory, picking or receiving applications. All PowerScan PBT8300 models are available with reading optics for Standard Range (SR) or Auto Range (AR) for reading distances up to 12.5 m / 41.0 ft.

FEATURES
- Bluetooth® 2.0 Compliant: Class 1 or Class 2 configurable via software
- Supports Bluetooth® wireless technology SPP and HID profiles
- Piconet with up to 4 scanners connected to the same base station
- Ethernet Connectivity (Standard and Industrial)
- Optics available in Standard Range (contact up to 1.0 m / 3.3 ft) and Auto Range (20 cm / 8 in up to 12.5 m / 41.0 ft)
- 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/IP64
- Drop resistance to 2.0 m / 6.5 ft
- EASEOF CARE 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

www.datalogic.com
## POWERSCAN™ PBT8300

### CORDLESS COMMUNICATIONS

#### BLUETOOTH WIRELESS TECHNOLOGY
- Picontet: Max. Readers per Radio Receiver: 4
- Profiles: HID (Human Interface Device); SPP (Serial Port Profile)
- Protocol: Bluetooth 2.0 Certified Class 1 or Class 2 (configurable)
- Radio Frequency: 2.40 to 2.48 GHz
- Radio Range (Open Air): Class 1: Exceeds 90 m / 295 ft radio range; Class 2: Exceeds 40 m / 131 ft radio range;
- Range distances are measured using the base station. Range with connection to other Bluetooth peripherals may show different results.
- Security: Data Encryption; Scanner Authentication

### DECODING CAPABILITY

#### 1D / LINEAR CODES
- Autodiscriminates all standard 1D codes including GS1 Databar™ linear codes.
- Code 16k; Code 49; GS1 DataBar Expanded Stacked;
- GS1 DataBar Stacked; GS1 DataBar Stacked Omnidirectional

### ELECTRICAL

#### BATTERY
- Battery Type: Lithium-Ion, 2150 mAh
- Charge Time: External Power: 4 Hours; Host Power: 10 hours; Reads per Charge: > 50,000
- Battery Charging (Red); Charge Completed (Green);
- Power/Data (Yellow)
- Operating (Typical): 1 A @ 10 VDC, 330 mA @ 30 VDC, POT: 500 mA
- 10 - 30 VDC, POT: 5 VDC +/- 10%

#### CRADLE INDICATOR LEDS
- Power/Data (Yellow)
- Power: 10 hours; Reads per Charge: > 50,000
- Charge Time: External Power: 4 Hours; Host Power: 10 hours; Reads per Charge: > 50,000
- Battery Charging (Red); Charge Completed (Green);
- Power/Data (Yellow)
- Operating (Typical): 1 A @ 10 VDC, 330 mA @ 30 VDC, POT: 500 mA
- 10 - 30 VDC, POT: 5 VDC +/- 10%

#### INPUT VOLTAGE
- Voltage Range: 10 - 30 VDC, POT: 5 VDC +/- 10%

### ENVIRONMENTAL

#### AMBIENT LIGHT
- Immune to light exposure in offices/facilities and direct exposure to sunlight.
- Withstands 50 drops from 2.0 m / 6.6 ft onto a concrete surface.
- 20 kV
- 90%
- PBT8300: IP65; PBT8300-D, PBT8300-DK: IP64
- Operating: -20 to 50 °C / -4 to 122 °F
- Storage/Transport: -20 to 70 °C / -4 to 158 °F

#### DROP RESISTANCE
- Withstands 5D drops from 2.0 m / 6.6 ft onto a concrete surface.
- 20 kV
- 90%
- PBT8300: IP65; PBT8300-D, PBT8300-DK: IP64
- Operating: -20 to 50 °C / -4 to 122 °F
- Storage/Transport: -20 to 70 °C / -4 to 158 °F

#### ESD PROTECTION (AIR DISCHARGE)
- 20 kV

#### HUMIDITY (NON-CONDENSING)
- 90%

#### PARTICULATE AND WATER SEALING
- PBT8300: IP65; PBT8300-D, PBT8300-DK: IP64

#### TEMPERATURE
- Operating: -20 to 50 °C / -4 to 122 °F
- Storage/Transport: -20 to 70 °C / -4 to 158 °F

### INTERFACES

#### RS-232 / USB
- Keyboard Wedge / Wand
- Multi-Interface; Ethernet (Standard, Industrial) in compatibility mode (BC9180-BT)

#### DISPLAY
- Display Type: PBT8300-D, PBT8300-DK: Graphic with backlight
- Font Dimensions: PBT8300-D only: User selectable (4 lines x 16 columns default)
- Screen Dimensions: 32 x 96 pixels
- PBT8300-D Only: 3-Key Keypad;
- PBT8300-DK: 16-Key Keypad

#### KEYPAD
- PBT8300-D Only: 3-Key Keypad;
- PBT8300-DK: 16-Key Keypad

#### WEIGTH
- Cradle: 360.0 g / 13.4 oz; PBT8300: 380.0 g / 13.4 oz
- PBT8300-D: 410.0 g / 14.4 oz;
- PBT8300-DK: 420.0 g / 14.8 oz

### PHYSICAL CHARACTERISTICS

#### DIMENSIONS
- Cradle: 24.0 x 10.8 x 9.5 cm / 9.5 x 4.3 x 3.7 in
- PBT8300: 20.7 x 11.4 x 6.9 cm / 8.1 x 4.5 x 2.7 in
- PBT8300-D, PBT8300-DK: 21.0 x 11.4 x 6.9 cm / 8.3 x 4.5 x 2.7 in

#### DISPLAY
- Display Type: PBT8300-D, PBT8300-DK: Graphic with backlight
- Font Dimensions: PBT8300-D only: User selectable (4 lines x 16 columns default)
- Screen Dimensions: 32 x 96 pixels

### 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.

#### ENVIROMENTAL COMPLIANCE
- 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.

#### LASER CLASSIFICATION
- 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.

#### UTILITIES
- Datalogic Aladdin configuration program is available for download at no charge.

### WARRANTY

#### WARRANTY
- 3-Year Factory Warranty

### ACCESSORIES

#### Base Stations/Chargers
- BC8300-AR Base/Charger Multi-Interface
- BC9180-AR Base/Dual Charger, Multi-Interface; Ethernet (Standard, Industrial)
- CHR-PMB0 Charger (C-8000)

#### Batteries/Battery Chargers
- FBP-PMB0 Fixed Battery Pack (FBP-8000)
- MC-PMB0 Multiple Battery Charger (MC-8000)
- RBP-PMB0 Removable Battery Pack (RBP-8000)

#### Cases/Holsters
- 11-0138 Heated Holder; 36 VDC
- 11-0139 Heated Holder, 26 VDC
- 11-0140 Heated Holder, 48 VDC (Heated Holders not for use with PBT8300-D/-DK models)
- HLS-PMB0 Universal Holster (HL5-8000)
- PC-PMB0, PC-D-PMB0 Protective Case/Belt Holster (PC-8000, PC-8000-D)

#### Mounts/Stands
- VMK-PM80 Vehicle Mount Kit

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