

# POWERSCAN™ 9300 AR SERIES



## A laser scanner with extra-long scanning capabilities for reading linear barcodes



### INDUSTRIAL LASER BARCODE READER

The PowerScan 9300 product series is a Laser Auto Range (AR) scanner with extra-long reading range capabilities for reading linear codes. It is also Datalogic's premium line of rugged industrial handheld data collection products including a corded model (PD9330) and 2 cordless models with either Bluetooth® wireless technology (PBT9300) or Datalogic's STAR Cordless System™ 2.0 (PM9300) using narrow band radio communications.

### BUILT TO LAST

The 9300 series reader's mechanics have been developed and tested to withstand extreme environmental conditions, maintaining consistent reading performance without degrading performance or reliability. Its ergonomic enclosure is lightweight and well-balanced to ensure optimal operator comfort during scan-intensive operations. A built-in metal tether hook for suspended applications ensures workplace productivity for cordless models.

### GOOD-READ FEEDBACK AND SUPERIOR READING PERFORMANCE

The PM9300 readers feature Datalogic's exclusive 3 Green Lights (3GL™) for superior good-read feedback. The patented 'Green Spot' directly on the code and dual good-read LEDs on the top and back of the cap add increased visibility at any angle.

All models have multi-interface capabilities built in featuring the most popular interfaces; RS-232, Keyboard Wedge and USB. The Datalogic Aladdin™ configuration program provides user-friendly features that simplify the start-up procedure, even for inexperienced users.

### CORDLESS MODELS ARE SIMPLE TO USE AND DEPLOY

The PowerScan PBT9300 laser cordless model is based on Bluetooth 3.0 standard wireless technology, Class 1 Range (in open air); up to 100 m / 328 ft and is available in a Standard Range (SR) model for reading distances up to 11.5 m / 37.0 ft on reflective codes.

The PowerScan PM9300 is the basic cordless model, the PM9300-D intermediate model includes a display and 4-key keypad, and the ultimate PM9300-DK model features a display with a full 16-key keyboard. Narrow band radio communications with Datalogic's STAR Cordless System™ 2.0 provides the key to increased productivity and flexibility in the workplace.

## FEATURES

- Optics available in an Auto Range model 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
- PBT9300 AR:
  - 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)
- PM9300 AR:
  - Available in 3 models: Basic, With Display and 4-Key Keypad, With Display and Full Alphanumeric Keypad; 100% Compatible with Datalogic's STAR Cordless System 2.0; Radio frequencies available in 433 or 910 MHz; Point-to-point and multi-point transmission; Seamless roaming
- 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

## INDUSTRIES - APPLICATIONS

- Manufacturing Shop Floor
  - Work-in-Progress
  - Sub-Assembly
  - Component Tracking
  - Quality Control
  - Time and Cost Analysis
  - Machine Replenishment /Configuration
  - Line Inventory Control
- Warehouse and Logistic Centers
  - Shipping / Receiving
  - Parcel Preparation
  - Picking / Put Away
  - Automatic Sorting Back-Up
  - End of Line Sorting



## POWERSCAN 9300 SERIES

# TECHNICAL SPECIFICATIONS

### WIRELESS COMMUNICATIONS

<b>PBT9300</b>	<b>Bluetooth Wireless Technology</b> Maximum number of devices per base station: 7; Profiles: HID (Human Interface Device); SPP (Serial Port Profile); Protocol: Bluetooth 3.0 Certified Class 1 Radio Frequency: 2.40 to 2.48 GHz; Radio Range (Open Air): Class 1: up to 100 m / 328 ft; Security: Data Encryption; Scanner Authentication
<b>PM9300</b>	<b>Datalogic STAR Cordless System</b> Point-to-Point Configuration; Multi-Point Configuration; Max. Readers per Radio receiver: 16; Radio Frequency: 433 MHz; 910 MHz; Radio Range (Open Air): 433 MHz: 50 m / 164 ft at 500 KB/s; 100 m / 328 ft at 19.2 KB/s; 910 MHz: 50 m / 164 ft at 500 KB/s; 400 m / 1,312 ft at 36.8 KB/s, frequency hopping 50 m / 164 ft at 36.8 KB/s, fixed channel; Seamless Roaming; Two Way Communications

### DECODING CAPABILITY

<b>9300 Series</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
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### ELECTRICAL

<b>Battery</b>	Li-Ion 3350 mAh; Charge Time: External Power: 4.5 Hours; Host Power: 10 Hours
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<b>Reads Per Charge</b>	40,000+ (continuous reading)
<b>Cradle Indicator LEDs</b>	Battery Charging (Red); Charge Completed (Green); Power/Data (Yellow)
<b>Current (PM9300/PBT9300)</b>	External Power: Max. 10 W (charging); POT: Max. 500 mA (charging)
<b>Input Voltage (PM9300/PBT9300)</b>	External Power: 10-30 VDC; POT: 5 VDC +/- 10%
<b>Current (PD9300)</b>	Operating (Max. reading): PD9330: 480 mA @ 4.5 V; 420 mA @ 5V; 80 mA @ 30 V
<b>Input Voltage (PD9300)</b>	4.5 - 30 VDC

### 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 / 6.6 ft to concrete
<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 Storage/Transport: -40 to 70 °C / -40 to 158 °F

### INTERFACES

<b>Interfaces</b>	Keyboard Wedge; RS-232; USB; RS-485 (PM9300); Optional Ethernet (Standard, Industrial)
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### PHYSICAL CHARACTERISTICS

<b>Colors Available</b>	Yellow/Black
<b>Dimensions</b>	21.2 x 11.0 x 7.4 cm / 8.3 x 4.3 x 2.9 in Cradle: 24.0 x 10.8 x 9.5 cm / 9.4 x 4.3 x 3.8 in
<b>Display</b>	PM9300-DAR, PM9300-DKAR: Display Type: Graphic with White Backlight; Font Dimensions: User selectable (6 lines x 21 columns default); Screen Dimensions: 48 x 132 pixels
<b>Keyboard</b>	PM9300-DAR: 4 Configurable Keys PM9300-DKAR: 16 Configurable Keys
<b>Weight</b>	PD9330-AR: 375 g / 13.2 oz PBT9300-AR/PM9300-AR: 435.0 g / 15.3 oz; PM9300-DARXX / PM9300-DKARXX: 465.0 g / 16.4 oz

### READING PERFORMANCE

<b>Light Source</b>	630 - 680 nm VLD
<b>Print Contrast Ratio (Minimum)</b>	25%
<b>Read Rate (Maximum)</b>	35 +/- 5 scans/sec.
<b>Reading Angle</b>	Pitch: 60°; Roll (Tilt): +/- 10°; Skew (Yaw): +/- 65°
<b>Reading Indicators</b>	Beeper; Datalogic Three Green Lights (3GL™) Good-read Feedback; Datalogic 'Green Spot' on the Code, Dual Good Read LEDs; Good Transmission
<b>Resolution (Maximum)</b>	0.190 mm / 7.5 mils

### READING RANGES

<b>Typical Depth of Field</b>	Minimum distance determined by symbol length and scan angle. Printing resolution, contrast and ambient light dependent.
<b>Code 39</b>	7.5 mils: 9.0 to 50.0 cm / 3.5 to 19.7 in 10 mils: 14.0 to 85.0 cm / 5.5 to 33.5 in 15 mils: 15.0 to 155.0 cm / 5.9 to 61.0 in 20 mils: 15.0 to 220.0 cm / 5.9 to 86.6 in 40 mils: 20.0 to 340.0 cm / 7.9 to 133.9 in 55 mils: 25.0 to 420.0 cm / 9.8 to 165.4 in Reflective Labels: Code 39: 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; IEC 60825-1 Class 2

### UTILITIES

<b>Datalogic Aladdin™</b>	Datalogic Aladdin configuration program is available for download at no charge.
<b>OPOS / JavaPOS</b>	OPOS and JavaPOS utilities are available for download at no charge.
<b>Remote Host Download</b>	Available on request

### WARRANTY

<b>Warranty</b>	3-Year Factory Warranty
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## ACCESSORIES

### Base Stations/Chargers

BC9030-433 / BC9030-910  
Base/Charger, Multi-Interface  
BC9130-433 / BC9130-910  
Base/Dual Charger, Multi-Interface  
BC9160-433 / BC9160-910 Base/  
Dual Charger, Multi-Interface/RS-485  
BC9180-433 / BC9180-910 Base/Dual  
Charger/Ethernet (Standard, Industrial)  
BC9030-BT Base/Charger, Multi-Interface  
BC9130-BT Base/Dual Charger, Multi-Interface  
BC9180-BT Base/Dual Charger/Ethernet  
(Standard, Industrial)



### Batteries/Battery Chargers

FBP-PM91 Fixed Battery Pack  
MC-P090 Multiple Battery Charger, 4-Slots  
RBP-PM91 Removable Battery Pack



### Cases/Holsters

HLS-P080 Universal Holster (HLS-8000)  
PC-P090 Protective Case/  
Belt Holster (PC-9000)



### Mounts/Stands

7-0404 Industrial Take-Up Reel  
HLD-P080 Desk/Wall Holder (HLD-8000)  
STD-P090 Hands Free Stand (STD-9000)  
VMK-P090 Vehicle Mount Kit



### Miscellaneous

SD9030 STAR System  
USB Industrial Dongle  
(433 or 910 MHz available)

