

POWERSCAN™ PM9300 AR LASER



TECHNOLOGY DRIVEN

The PowerScan™ PM9300 series is a Laser Auto Range (AR) scanner with extra-long reading range capabilities for reading linear codes.

The series includes different models able to satisfy all customers' needs; the 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. The PM9300-DK model significantly increases the sophistication of interaction with the host system and opens up new potential uses of the scanner, making it suitable for applications that would normally require a more expensive portable data terminal. The BC9180 base includes one model with two different Ethernet connections: Standard Ethernet and Industrial Ethernet protocols such as Ethernet IP and Modbus.

DATALOGIC'S STAR CORDLESS SYSTEM™

Narrow band radio communications with Datalogic's STAR Cordless System™ 2.0 provides the key to increased productivity and flexibility in the workplace. It offers scalable solutions from simple point-to-point applications to networking capabilities combined with seamless roaming for complex installations.

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.

FEATURES

- Optics available in:
 - **Auto Range:** up to 11.5 m / 37.0 ft on reflective codes
- 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
- Radio frequencies available in 433 or 910 MHz
- Point-to-point and multi-point transmission
- Seamless roaming
- Ethernet Connectivity (Standard and Industrial)
- 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 - APPLICATION

- Manufacturing / Warehouse
- Retail / POS Check-out
- Transportation & Logistics / Warehouse / Sorting



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TECHNICAL SPECIFICATIONS

CORDLESS COMMUNICATIONS	
Datalogic STAR Cordless System	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	
PM9330-AR (Auto Range)	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, Standard 2 of 5, MSI, Code 93

ELECTRICAL	
Battery	Li-Ion 3350 mAh; Charge Time: External Power: 4.5 Hours; Host Power: 10 Hours
Reads per Charge	40,000+ (continuous reading)
Cradle Indicator LEDs	Battery Charging (Red); Charge Completed (Green); Power/Data (Yellow)
Current	Operating (Typical): External Power: Max. 10 W (charging); POT: Max. 500 mA (charging)
Input Voltage	External: 10 - 30 VDC; POT: 5 VDC +/- 10%

ENVIRONMENTAL	
Ambient Light	Immune to light exposure in offices/facilities and direct exposure to sunlight
Drop Resistance	Withstands 50 drops from 2.0 m / 6.5 ft to concrete
ESD Protection (Air Discharge)	20 kV
Humidity (Non-Condensing)	0 - 95%
Particulate and Water Sealing	IP65
Temperature	Operating: -20 to 50 °C / -4 to 122 °F Storage/Transport: -40 to 70 °C / -40 to 158 °F

INTERFACES	
Interfaces	Keyboard Wedge; RS-232; RS-485; USB: OEM USB; USB COM; USB HID Keyboard; Optional Ethernet (Standard, Industrial)

PHYSICAL CHARACTERISTICS	
Colors Available	Yellow/Black
Dimensions	Cradle: 24.0 x 10.8 x 9.5 cm / 9.4 x 4.3 x 3.8 in PM9300-AR: 21.2 x 11.0 x 7.4 cm / 8.3 x 4.3 x 2.9 in
Display	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
Keypad	PM9300-DAR: 4 Configurable Keys PM9300-DKAR: 16 Configurable Keys
Weight	PM9300-ARXX: 435.0 g / 15.3 oz PM9300-DARXX / PM9300-DKARXX: 465.0 g / 16.4 oz

READING PERFORMANCE	
Light Source	630 - 680 nm VLD
Print Contrast Ratio (Minimum)	25%
Read Rate (Maximum)	PM9300-ARXX: 35 +/- 5 scans/sec.
Reading Angle	PM9300-ARXX: Pitch: 60°; Roll (Tilt): +/- 10°; Skew (Yaw): +/- 65°
Reading Indicators	Beeper; Datalogic Three Green Lights (3GL™) Good Read Feedback; Datalogic 'Green Spot' on the Code, Dual Good Read LEDs; Good Transmission
Resolution (Maximum)	PM93X0 Auto Range: 0.190 mm / 7.5 mils

READING RANGES	
Typical Depth of Field	Minimum distance determined by symbol length and scan angle. Printing resolution, contrast and ambient light dependent.
PM9300 AR: Code 39	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	
Agency Approvals	The product meets necessary safety and regulatory approvals for its intended use. See the Regulatory Addendum for details.
Environmental Compliance	Complies to China RoHS; Complies to EU RoHS
Laser Classification	Caution Laser Radiation - Do not stare into beam; CDRH Class II; IEC 60825-1 Class 2

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

WARRANTY	
Warranty	3-Year Factory Warranty

ACCESSORIES

Base Stations/Chargers



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)

BC9030-433 /
BC9030-910
Base/Charger,
Multi-Interface

Batteries/ Battery Chargers



FBP-PM90 Fixed Battery Pack
MC-P090 Multiple Battery
Charger, 4-Slots
RBP-PM90 Removable
Battery Pack

Cases/Holsters



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

Mounts/Stand



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)