

POWERSCAN™ PD9330 LASER

DATALOGIC



INDUSTRIAL LASER BAR CODE READER

The PowerScan 9000 product series is Datalogic's premium line of rugged industrial handheld data collection products. The PowerScan PD9330 laser scanner offers state-of-the-art performance in a corded industrial product.

SUPERIOR READING PERFORMANCE

The PD9330 reader features Datalogic's exclusive 3 Green Lights (3GL™) for superior good read feedback. The patented 'Green Spot' technology directly on the code and dual Good Read LEDs on the top of the cap increase visibility at any angle.

BUILT TO LAST

The PD9330 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.

DEVELOPED WITH THE USER IN MIND

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.



FEATURES

- Optics 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's 3GL technology and a loud beeper for good-read feedback
- Built-in multiple interfaces (RS-232, Keyboard Wedge and USB)
- Operates over a wide range of temperatures
- Water and Particulate Sealing Rating: IP65
- Drop resistance to 2.0 m / 6.5 ft
- Ergonomic shape provides hours of tireless data collection for the user
- EASEOFCARE Service Plans offer a wide range of service options to protect your investment, ensuring maximum productivity and ROI

INDUSTRY-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

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TECHNICAL SPECIFICATIONS

DECODING CAPABILITY

PD9300	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
PD9330-AR	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

CURRENT	Operating (Max. reading): PD9330: 420 mA @ 4.5 V; 360 mA @ 5 V; 65 mA @ 30 V PD9330-AR: 480 mA @ 4.5 V; 420 mA @ 5V; 80 mA @ 30 V
INPUT VOLTAGE	4.5 - 30 VDC

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

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PHYSICAL CHARACTERISTICS

COLORS AVAILABLE	Yellow/Black; Other colors and custom logo options are available for minimum quantity purchase
DIMENSIONS	21.2 x 11.0 x 7.4 cm / 8.4 x 4.3 x 2.9 in
WEIGHT	PD9330: 340.0 g / 11.9 oz PD9330-AR: 375 g / 13.2 oz

READING PERFORMANCE

LIGHT SOURCE	630 - 680 nm VLD
PRINT CONTRAST RATIO (MINIMUM)	25%
READ RATE (MAXIMUM)	Scan Rate: PD9330: 104 +/- 12 scans/sec; PD9330-AR: 35 +/- 5 scans/sec;
READING ANGLE	PD9330: Pitch: +/- 40°; Roll (Tilt): +/- 35°; Skew (Yaw): +/- 65° PD9330-AR: 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
RESOLUTION (MAXIMUM)	PD9330: 0.076 mm / 3 mils; PD9330: 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.
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PD9330: Code 39

5 mils: 1.5 to 28.0 cm / 0.4 to 11.8 in
7.5 mils: 1.5 to 42.0 cm / 0.6 to 16.5 in
10 mils: 2.0 to 50.0 cm / 0.8 to 19.7 in
20 mils: 2.0 to 110.0 cm / 0.8 to 43.3 in
40 mils: 2.0 to 160.0 cm / 0.8 to 63.0 in
EAN 13: 2.5 to 65 cm / 1.0 to 25.6 in

PD9330 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	JavaPOS Utilities are available for download at no charge. OPOS Utilities are available for download at no charge.
REMOTE HOST DOWNLOAD	Available on request

WARRANTY

WARRANTY	3-Year Factory Warranty
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ACCESSORIES

Cases/Holsters



■ HLS-P080 Universal Holster (HLS-8000)

Mounts/Stands



■ STD-P090 Stand, Hands-free (STD-9000)



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



■ 7-0404 Industrial Take-Up Reel