Industrial Corded Handheld Linear Imager Bar Code Reader

The PowerScan 7100/7000 product series are Datalogic Scanning's value line of rugged industrial handheld data collection products. The PowerScan D7100 linear imaging corded reader combines rugged durability and extremely snappy reading performance all at an affordable price.

Datalogic Scanning's innovative and unique optical design of the PowerScan 7100 series of readers combines scanner features that are normally available on different scanner models into a single device: up to 3 mils maximum code resolution; contact to about 3.0 m / 9.8 ft reading distance; and wide angle code reading. The result is a versatile, easy to use and intuitive scanner that simplifies any code reading activity.

Together high-speed digital hardware and Datalogic Scanning's advanced decoding algorithms produce read rates up to 390 scans per second, making the PowerScan 7100 readers the fastest industrial scanners available. This is why the 7100's are especially suitable for "high-speed" applications where thousands of codes have to be read in a very short period of time

As with all PowerScan products, the 7100 readers' mechanics have been developed and tested to withstand extreme environmental conditions while maintaining consistent reading performance. A loud beeper and Datalogic's exclusive patented 'Green Spot' directly on the code, provide intuitive good read feedback in noisy environments.

The PowerScan 7100 readers are offered with two different multi-interface combinations; the Standard multi-interface includes RS-232, Keyboard Wedge and USB; the second multi-interface set includes RS-232, IBM46xx and USB.

Light weight and instinctive usage combined with outstanding speed-to-read makes the 7100 product series the ideal solution for intensive code reading applications.

Features
- Fastest speed-to-read - 390 scans/second
- Datalogic 'Green Spot' and loud beeper for good read feedback
- Water and particulate sealing rating: IP65
- Drop resistance to 2.0 m / 6.5 ft
- 25 kV Electrostatic protection (air discharge)
- Model option with aimer for optimal code pointing
- Two different multi-interface options

GREEN SPOT

DATALOGIC aladdin

GS1

DATALOGIC 3 YEAR WARRANTY

◈ DATALOGIC™

Specifications

DECODING CAPABILITY

1D / LINEAR CODES	Autodiscriminates all standard 1D codes including GS1 DataBar™ linear codes
POSTAL CODES	China Post
STACKED CODES	GS1 DataBar Expanded Stacked; GS1 DataBar Stacked; GS1 DataBar Stacked Omnidirectional

ELECTRICAL

CURRENT	Operating (Typical): 285 mA @ 5 VDC
	Standby/Idle (Typical): 135 mA @ 5 VDC
INPUT VOLTAGE	4 - 14 VDC

ENVIRONMENTAL

AMBIENT LIGHT	0 - 100,000 lux
DROP RESISTANCE	Withstands 50 drops from 2.0 m / 6.6 ft onto a concrete surface
ESD PROTECTION (AIR DISCHARGE)	25 kV
HUMIDITY (NON-CONDENSING)	5 - 95%
PARTICULATE AND WATER SEALING	IP65
TEMPERATURE	Operating: -30 to 50 °C / -22 to 122 °F
	Storage/Transport: -40 to 70 °C / -40 to 158 °F

INTERFACES

IBM 46xx; Keyboard Wedge; OEM (IBM) USB; RS-232; USB

PHYSICAL CHARACTERISTICS

COLORS AVAILABLE	Black; Yellow/Black
DIMENSIONS	Reader: 20.3 x 7.6 x 11.4 cm / 8.0 x 3.0 x 4.5 in
WEIGHT	280.0 g / 9.9 oz

READING PERFORMANCE

LIGHT SOURCE	Aiming: 630 - 680 nm VLD
ILLUMINATION	LED Array 630 - 670 nm
PRINT CONTRAST RATIO (MINIMUM)	15%
READ RATE (MAXIMUM)	390 reads/sec.
READING ANGLE	Pitch: +/- 65°; Roll (Tilt): +/- 30°; Skew (Yaw): +/- 65°
READING INDICATORS	Beeper (Adjustable Tone); Datalogic 'Green Spot' Good Read Feedback; Good Read LED
RESOLUTION (MAXIMUM)	0.076 mm / 3 mils

READING RANGES

TYPICAL DEPTH OF FIELD	Minimum distance determined by symbol length and scan angle. Printing resolution, contrast, and ambient light dependent.
	5 mils: 1.5 to 14.0 cm / 0.6 to 5.5 in
	7.5 mils: 0 to 44.0 cm / 0 to 17.3 in
	10 mils: 0 to 60.0 cm / 0 to 23.6 in
	13 mils: 0 to 80.0 cm / 0 to 31.5 in
	20 mils: 0 to 119.0 cm / 0 to 46.9 in
	40 mils: 2.0 to 240.0 cm / 0.8 to 94.5 in
	Reflective - 55 mils: 5.0 to 300.0 cm / 2.0 to 118.1 in
	Reflective - 100 mils: 13.0 to 530.0 cm / 5.1 to 208.7 in

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.
ENVIRONMENTAL COMPLIANCE	Complies to China RoHS
	Complies to EU RoHS
LASER CLASSIFICATION	Caution Laser Radiation - Do not stare into beam
	EN 60825-1 Class 1

UTILITIES

DATALOGIC ALADDIN™	Datalogic Aladdin configuration program is available for download at no charge
REMOTE HOST DOWNLOAD	Lowers service costs and improves operations

WARRANTY

3-Year Factory Warranty

Accessories

Cases/Holsters
• 11-0109 PowerHood Padded Cover
• 11-0138 Heated Holder, 36 V
• 11-0139 Heated Holder, 24 V
• 11-0140 Heated Holder, 48 V

Mounts/Stands
• 11-0110 Hands Free Stand
• 11-0111 Universal Mounting Kit for PowerScan
• 11-0360 Holder, Multi-Purpose, Black
• 11-0362 Holder, Multi-Purpose, Grey
• 7-0404 Industrial Take Up Reel

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