

### POWERSCAN™ PD7100



# INDUSTRIAL CORDED HANDHELD LINEAR IMAGER BAR CODE READER

The PowerScan 7100/7000 product series are Datalogic ADC'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 ADC'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 ADC'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, IBM 46xx 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.WE

#### **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











### **SPECIFICATIONS**

## POWERSCAN™ PD7

#### **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

Operating: -30 to 50  $^{\circ}$ C / -22 to 122  $^{\circ}$ F **TEMPERATURE** 

Storage/Transport: -40 to 70  $^{\circ}\text{C}$  / -40 to 158  $^{\circ}\text{F}$ 

#### **INTERFACES**

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

WFIGHT 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) READ RATE (MAXIMUM) 390 reads/sec.

**READING ANGLE** Pitch: +/- 65°; Roll (Tilt): +/- 30°; Skew (Yaw): +/- 65° Beeper (Adjustable Tone); Datalogic 'Green Spot' Good READING INDICATORS

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

**ENVIRONMENTAL COMPLIANCE** 

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.

Complies to China RoHS; Complies to EU RoHS Caution Laser Radiation - Do not stare into beam

FN 60825-1 Class 1

#### UTILITIES

DATALOGIC ALADDIN™ REMOTE HOST DOWNLOAD

LASER CLASSIFICATION

Datalogic Aladdin configuration program is available for

download at no charge.

Lowers service costs and improves operations.

#### WARRANTY

WARRANTY 3-Year Factory Warranty

### ACCESSORIES



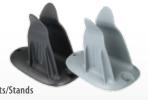


• 11-0138 Heated Holder, 36 V

· 11-0139 Heated Holder, 24 V • 11-0140 Heated Holder, 48 V













• 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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