



### General Purpose Corded Handheld Linear Imager Bar Code Reader for Electrostatic Discharge Control

With rich feature sets and extensive model options, the Gryphon product series from Datalogic Scanning represents the premium level of data collection equipment for general purpose applications. The Gryphon Desk ESD D200 reader has been specially developed by Datalogic Scanning to satisfy the strict requirements for EPA (ESD Protected Area) use.

ESD is a phenomenon that occurs when an object has an imbalance in its electrical charge: a fast charge transfer between objects with differing electrostatic potential caused by contact or by the proximity of the two objects. Wherever electronic components are handled, installed or assembled, ESD poses a threat to product quality. With technological advances in electronics an increasing number of these components are susceptible to damage or

destruction by increasingly lower voltage levels. ESD events can also compromise the measurements taken by very sensitive instruments, like those used in hospital and medical analysis laboratories.

The most advanced polymer and elastomeric technologies are used for the ESD-safe D200 reader. The body of the product is composed of a slightly conductive plastic, rather than an insulating one, preventing the accumulation of tribocharges. Specific cables additionally guarantee ESD safety between any two points. These specialized protective features are added to the same outstanding reading performance and ergonomic form factor found in the Gryphon Desk product series.

Featuring Datalogic's exclusive patented 'Green Spot' for good read feedback directly on the code; it helps to improve productivity especially in noisy environments. When the reader is used in Stand Mode, the Green Spot remains on to aid in positioning the code for quick and intuitive reading.

### Features

- Certified between static dissipative ( $10^6 \Omega$  and  $10^{12} \Omega$ ) and conductive ( $10^3 \Omega$  and  $10^6 \Omega$ ) range
- 16.5 kV Electrostatic protection (air discharge)
- Fast reading performance up to 270 scans/second
- Datalogic's patented 'Green Spot' for good-read feedback
- Supports GS1 DataBar™ linear codes with additional support for stacked codes like PDF417, MicroPDF and GS1 DataBar plus UPC/EAN composites on select models
- Water and Particulate Sealing Rating: IP30
- Drop resistance to 1.2 m / 3.9 ft



## Specifications

### DECODING CAPABILITY

1D / LINEAR CODES

Autodiscriminates all standard 1D codes including GS1 Databar™ linear codes

STACKED CODES

Code 16K; Code 49; EAN/JAN Composites; GS1 DataBar Expanded Stacked; GS1 DataBar Stacked; GS1 DataBar Stacked Omnidirectional; MicroPDF417; PDF417; UPC A/E Composites

### ELECTRICAL

CURRENT

Operating (Typical): 250 mA @ 5 VDC

INPUT VOLTAGE

Standby/Idle (Typical): 250  $\mu$ A  
5 VDC +/- 5%

### ENVIRONMENTAL

AMBIENT LIGHT

0 - 100,000 lux

DROP RESISTANCE

Withstands repeated drops from 1.2 m / 3.9 ft onto a concrete surface

ESD FEATURES

Certification Rank: Certified between static dissipative ( $10^6 \Omega$  and  $10^{12} \Omega$ ) and conductive ( $10^3 \Omega$  and  $10^9$ ) range

Residual Voltage: < 5 V

16.5 kV

90%

IP30

Operating: 0 to 55 °C / 32 to 131 °F

Storage/Transport: -20 to 70 °C / -4 to 158 °F

ESD PROTECTION (AIR DISCHARGE)

HUMIDITY (NON-CONDENSING)

PARTICULATE AND WATER SEALING

TEMPERATURE

### INTERFACES

Keyboard Wedge; RS-232

### PHYSICAL CHARACTERISTICS

COLORS AVAILABLE

Black

DIMENSIONS

17.9 x 8.1 x 9.8 cm / 7.0 x 3.2 x 3.9 in

WEIGHT

200.0 g / 7.1 oz

### READING PERFORMANCE

IMAGER SENSOR

CCD Solid-state 3648 pixels

LIGHT SOURCE

Illumination: LED Array 630 - 670 nm

PRINT CONTRAST RATIO (MINIMUM)

15%

READ RATE (MAXIMUM)

270 reads/sec.

READING ANGLE

Pitch: 65°; Roll (Tilt): +/- 35°; Skew (Yaw): +/- 80°

READING INDICATORS

Beeper (Adjustable Tone); Datalogic 'Green Spot' Good Read Feedback

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: 2.0 to 13.0 cm / 0.8 to 5.1 in

7.5 mils: 1.0 to 18.0 cm / 0.4 to 7.0 in

10 mils: 0.5 to 22.0 cm / 0.2 to 8.6 in

13 mils: 1.0 to 28.0 cm / 0.4 to 11.0 in

20 mils: 2.0 to 37.0 cm / 0.8 to 14.4 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

LED CLASSIFICATION

IEC 60825 Class 1 LED

### WARRANTY

5-Year Factory Warranty



Mounts/Stands

• 90ACC1770 Desk/Wall Holder (SPC-GRYPHON)

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