



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
Standby/Idle (Typical): 250 µA

INPUT VOLTAGE 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 (10⁶ Ω and 10¹²Ω) and conductive (10³ Ω and 10⁶) range
Residual Voltage: < 5 V
16.5 kV
90%
IP30

ESD PROTECTION (AIR DISCHARGE) Operating: 0 to 55 °C / 32 to 131 °F

HUMIDITY (NON-CONDENSING) Storage/Transport: -20 to 70 °C / -4 to 158 °F

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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Product specifications are subject to change without notice.

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