

Gryphon™ Desk ESD Scanner



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.

Rating: Not Rated Yet

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Description

Features

Certified between static dissipative(10^6 ? and 10^{12} ?) and conductive (10^3 ? and 10^6 ?) range

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

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 (10^6 ? and 10^{12} ?) and conductive (10^3 ? and 10^6) range
 - Residual Voltage
 - < 5 V
- ESD Protection (Air Discharge)
 - 8 kV
- Humidity (Non-Condensing)
 - 90%
- Particulate and Water Sealing
 - IP30
- Temperature
 - Operating
 - 0 to 55 °C / 32 to 131 °F
 - Storage/Transport
 - -20 to 70 °C / -4 to 158 °F

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