GRYPHON™ L GD4300

DATALOGIC

HIGH PERFORMANCE LASER SCANNING

For customers who want the high performance associated with laser scanning technology, the Gryphon GD4300 scanner is an ideal solution providing longer reading distances, snappy performance with a bright, well-defined scan line. Poor quality bar codes and low contrast labels with bad edge definition are not a problem for this Gryphon scanner, plus Datalogic's patented Green Spot provides visual good-read feedback directly on the code, allowing for fast and accurate scanning which is especially useful in noisy environments or in places where 'beep-free' reading is desired.

BUILT TO LAST

The scanner's stylish enclosure, light weight and compact size make it perfect for use in retail and office applications. Light industrial users will appreciate the scanners toughness. Its rubber-like overmold cushions the scanner when dropped, protects the scan window and prevents the scanner from slipping off counter surfaces. Featuring an IP52 sealing rating, its strong enclosure guards against dust and liquid spills, and anti-shock mounts provide additional protection for the internal scan engine and optics.

MULTIPLE INTERFACE OPTIONS

The Gryphon GD4300 readers offer a choice of two sets of multi-interface options: USB, Keyboard Wedge, RS-232 and Wand Emulation, or for use at the point-of-sale (POS), IBM 46XX, USB and RS-232. Both interface sets offer configuration flexibility and are easily adapted for migration or future changes to the host system.



GREEN SPOT · DATALOGIC aladdin · GS1 · CERTIFIED USB · DATALOGIC 5 YEAR WARRANTY

FEATURES

- Aggressive reading performance: over 100 scans/second
- Excellent depth-of-field over 47.0 cm / 19.0 in
- Datalogic Green Spot for good-read feedback
- Remote Host Download lowers service costs and improves operations (GD4310 Model)
- Multi-interface solutions support most popular interfaces including USB, RS-232, Keyboard Wedge, IBM 46XX and Wand Emulation
- 1.8 m / 5.9 ft Drop Resistance
- Water and Particulate Sealing Rating: IP52
- USB Certified Kits Available
- EASEOFCARE Service Plans offer a wide range of service options to protect your investment, ensuring maximum productivity and ROI

INDUSTRY-APPLICATIONS

- Retail: Point of Sale
- Commercial Services: Postal, Banks, Public Administration and Utilities
- Manufacturing: Work-in-progress, Order Processing
- Healthcare: Patient/Medication Tracking, Record Keeping
- Transportation and Logistics: Industrial Usage, Shipping and Receiving, Back Room Activities

GRYPHON™ L GD4300

DATALOGIC

TECHNICAL 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): GD4310: 185 mA @ 5 VDC; GD4330: 260 mA @ 5 VDC +/- 5%: Standby/Idle (Typical): 30 mA @ 5 VDC
INPUT VOLTAGE	GD4310: 4.5 - 14.0 VDC; GD4330: 4.75 - 5.25 VDC

ENVIRONMENTAL

AMBIENT LIGHT	0 - 100,000 lux
DROP RESISTANCE	Withstands repeated drops from 1.8 m / 5.9 ft onto a concrete surface
ESD PROTECTION (AIR DISCHARGE)	16 kV
HUMIDITY (NON-CONDENSING)	5 - 90%
PARTICULATE AND WATER SEALING	IP52
TEMPERATURE	Operating: 0 to 55 °C / 32 to 131 °F Storage/Transport: 20 to 70 °C / -4 to 158 °F

INTERFACES

INTERFACES	RS-232 / IBM 46XX / USB Multi-Interface; RS-232 / USB / Keyboard Wedge / Wand Multi-Interface

PHYSICAL CHARACTERISTICS

COLORS AVAILABLE	Black; White
DIMENSIONS	18.1 x 7.1 x 10.0 cm / 7.1 x 2.8 x 3.9 in
WEIGHT	169.0 g / 6.0 oz

READING PERFORMANCE

LIGHT SOURCE	Illumination: 630 - 680 nm VLD
PRINT CONTRAST RATIO (MINIMUM)	25%
READ RATE (MAXIMUM)	100 reads/sec.
READING ANGLE	Pitch: +/- 50°; Roll (Tilt): +/- 35°; Skew (Yaw): +/- 65°
READING INDICATORS	Beeper (Adjustable Tone and Volume); Datalogic 'Green Spot' Good Read Feedback; Good Read LED
RESOLUTION (MAXIMUM)	0.102 mm / 4 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: 3.6 to 15.8 cm / 1.4 to 6.2 in 7.5 mils: 3.0 to 25.0 cm / 1.2 to 9.9 in 10 mils: 2.8 to 35.0 cm / 1.1 to 13.8 in 13 mils: 2.2 to 47.5 cm / 0.9 to 18.8 in 20 mils: Up to 69.0 cm / 27.2 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; CDRH Class II; IEC 60825-1 Class 2

UTILITIES

DATALOGIC ALADDIN™	Datalogic Aladdin configuration program is available for download at no charge.
OPOS / JAVAPOS	OPOS Utilities are available for download at no charge.
REMOTE HOST DOWNLOAD	Lowers service costs and improves operations.

WARRANTY

WARRANTY	5-Year Factory Warranty

ACCESSORIES

Mounts/Stands

- HLD-G040-BK Desk/Wall Holder, G040, Black
- HLD-G040-WH Desk/Wall Holder, G040, White
- STD-G040-BK Basic Stand, G040, Dark
- STD-G040-WH Basic Stand, G040, White






© 2009 - 2015 Datalogic ADC, Inc. ▪ All rights reserved. ▪ Protected to the fullest extent under U.S. and international laws. ▪ Copying, or altering of this document is prohibited without express written consent from Datalogic ADC, Inc. ▪ Datalogic and the Datalogic logo are registered trademarks of Datalogic S.p.A. in many countries, including the U.S. and the E.U. and the Datalogic Automatic Data Capture logo is a trademark of Datalogic S.p.A. ▪Datalogic Aladdin is a trademark of Datalogic Scanning Group S.r.l. ▪ Gryphon is a trademark of Datalogic ADC, Inc. ▪ All other brand and product names are trademarks of their respective owners. ▪ DS-GRYPHONLGD4300-EN Revision C 20150115