General Description

The Gryphon™ reader series has been developed by Datalogic to provide optimized reading performance through excellent ergonomic design.

The “INSTINCTIVE READING DISTANCE,” a concept introduced by Datalogic a few years ago based on in-depth ergonomic studies, represents the natural position of the user while reading a code. The Gryphon™ series takes this concept one step further; optimized optics allow reading of the most popular standard codes with superior depths of field from near contact to over 30 cm. The “green spot”, (Datalogic patent application) produced by the Gryphon™ provides “good reading” feedback directly on the code, where the user usually tends to be looking.

Gryphon™ connectivity is now further expanded thanks to the introduction of new tethered models. Besides the standard Gryphon™ models D100 and D200, the new Gryphon™ USB models D120, D220 are now available. They provide full compatibility with every application that takes advantage of the USB interface: USB KBD Wedge, USB COM emulation and USB IBM POS. Furthermore, the D110 model provides complete connectivity to main IBM cash registers and POS terminals.

The Gryphon™ M100 and M200, allow operations anywhere mobility is required at the desk/POS and around the shop floor, as well as in small warehouses. In addition, the Gryphon™ readers also read Reduced Space Symbology (RSS), an emerging symbology that can be printed on a smaller label which meets emerging market needs for a greater amount of data on a symbol.

Features

**Gryphon™ Desk**
- RSS symbologies, PDF417 and linear bar code decoding
- Several models available combining different interface set: USB, RS232, Pen Emulation, Wedge. Connectivity to the IBM 46xx POS cash registers

**Gryphon™ Mobile**
- 433 MHz or 910 MHz Radio System
- Multiple Scanner Support: up to 16 scanners simultaneously
- Radio Range 30 meters
- 100% compatible with STAR-System™
- Sunrise 2005 compliant

Applications
- Data capture in retail and office environments
- Suitable for any residential environment or wherever instinctive reading distance is preferred
- Small warehousing
Specifications

MODELS
- Hand-Head Readers
- OM Gryphon™/C-Gryphon™
- GRYPHON™ D & GRYPHON™ M

GRYPHON™ D & GRYPHON™ M
- CCD solid state (3648 pixels)
- 270 scans/sec
- 0.076 mm (3 mils)
- 15% (min.)
- Skew: ±80°; Pitch: 65°; Tilt: ±35° (EAN13, M=0.8, PCS=0.9)
- Good Read LED, “green spot” on the code, adjustable tone “beeper”
- Code 16K, Code 49, PDF 417
- RSS variants

PROGRAMMING METHOD
- Manual
- Automatic (with RS232)
- SmartSet

INTERFACES
- RS232, Wedge, Wand
- USB & RS232 Interface
- Puzzle Solver™, data editing and data concatenation

CASE MATERIAL
- ABS and Polycarbonate, plus co-moulded rubber

AMBIENT LIGHT CONDITIONS
- Up to 100,000 lux

STORAGE TEMPERATURE
- -20 to 70 °C (-4 to 158° F) (without batteries)

DROP RESISTANCE
- IEC 68-2-32 Test ED; withstands repeated drops from 1.8 m onto a concrete surface

ENVIRONMENTAL PROTECTION
- IP50

MODEL
- GRYPHON™ D

POWER SUPPLY
- 5 VDC ±5%

CONSUMPTION
- 250 mA operating, 330 mA max.

WEIGHT
- 180 g

GRYPHON™ M
- 2 AA NiMh batteries
- 3 hours max.

OPERATING ALTIMONY
- 25,000 reads - NiMh

OPERATING TEMP.
- 0 to 40 °C (32 to 104° F)

RADIO FREQUENCY
- 433.92 MHz (Europe); 910 MHz (USA)

BIT RATE
- 19,200 baud (Europe); 36,800 baud (USA)

EFFECTIVE RADIATED POWER
- <10 mW (Europe); <1 mW (USA)

RADIO RANGE
- 30 m open air (Europe); 15 m open air (USA)

COEXISTING SYSTEMS
- 2048 max.

POWER SUPPLY
- 9 to 28 VDC

POWER CONSUMPTION
- 8W max. (charging)

RECHARGE TIME
- 3 hours max.

RADIO FREQUENCY
- 433.92 MHz (Europe); 910 MHz (USA)

BIT RATE
- 19,200 baud (Europe); 36,800 baud (USA)

EFFECTIVE RADIATED POWER
- <10 mW (Europe); <1 mW (USA)

COEXISTING SYSTEMS
- Up to 16 readers connected to the same cradle

WEIGHT
- 280 g (with batteries)

DIMENSIONS
- 208 x 107 x 55.5 mm

OPERATING TEMP.
- 0° to +40 °C / 32° to 104 °F

STORAGE TEMP.
- -20° to +70 °C / - 4° to 158 °F

CASE MATERIAL
- ABS

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Stand
- The stand makes it possible to use the reader in a hands-free mode.

Desk/Wall Holder
- The Desk/Wall Holder adds ease of use and flexibility in many environments where work space is limited.

Protective case-belt coupler
- The Protective Case allows the reader to be carried on a belt when not in use and protects it against drops.

OM Gryphon™/C-Gryphon™
- The ergonomically designed cradle functions both as a radio station and a recharge base. The C-Gryphon™ offers a low cost alternative in a single recharge base.

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www.datalogic.com | info@datalogic.com

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