gryphon™ Reader Series

Instinctive Reading Intelligent Scanner

Instinctive readers

ONLY MODELS WITH CABLE

FIVE YEARS Warranty

(view details)

FEATURES

- Outstanding reading and decoding speed
- Linear and PDF417 bar code decoding
- Tethered and cordless models
- Plug & Play with Enhanced Multistandard Architecture
- Ergonomic and user friendly for intuitive operation
- Modular design open to upgrades

APPLICATIONS

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

GENERAL DESCRIPTION

Datalogic has moved a step ahead in the concept of "instinctive reading". The new Gryphon™ reader series has been developed to provide optimised reading performance through excellent ergonomic design, a natural instinctive reading approach and innovative good reading feedback.

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. The series includes two tethered (D100 and D200) and two cordless (M100 and M200) models, allowing operations anywhere mobility is required at the desk/POS and around the shop floor, as well as in a small warehouse. The new "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. Correct pointing becomes quick and easy thanks to the sharp and bright illumination line. All these characteristics are coupled with outstanding performance in terms of reading quickness and decoding capability thanks to state-of-the-art optics and a decode rate of 270 scans/sec, making the Gryphon™ very user friendly, intuitive and fast.

Especially optimised optics allow reading of the most popular standard codes with superior depths of field from near contact to over 30 cm. High resolution codes, which can reach 3 mils are also easily read. Two specific models of the Gryphon™ series (D200 and M200) have also been designed to provide decoding of the most popular stacked codes such as PDF417, CODABLOCK and CODE 16K, as well as traditional bar codes. The Gryphon™ reader series is paving the road for innovative bar code reading.

DISTINCTIVE FEATURES

Plug & Play

The enhanced multi-interface architecture allows quick and easy connection to the system. The user simply plugs the cable into the reader or the cradle and reads the selected interface configuration code. No other settings are required to be operative quickly. For the cordless models a simple iijoinls of the reader to its cradle is sufficient to start the transmission.

Reading Aggressiveness

Once connected, the user can take advantage of the excellent reading speed instantly, guaranteed both by a powerful hardware architecture and an enhanced

decoding software. In addition, idstate-of-the-artl optics permit the Gryphon™ to read at superior depths of field (over 30 cm) never reached before by similar products when reading the most popular codes. In the cordless models, the fast reading cycle is guaranteed by a prompt response from the cradle.

Ergonomics and Friendliness

The Gryphon™ has been designed keeping in mind user's comfort. The handy shape, wide reading angle, light weight and new patented iagreen spotle for good reading feedback, are well combined features that prevent users from overworking, making use of the Gryphon™ easy, intuitive and comfortable in a number of applications. Acknowledgement from the cradle produces additional feedback as result of transmission.

Flexibility and Versatility

The large set of configurable parameters allow the user to customise the Gryphon™ for specific needs. Data Formatting, Data Editing, Reverse-Code Reading and Hands-Free Reading with auto-trigger mode are only some of the features available. The four models offered cover the needs of a large number of applications.

Mobility and Autonomy

The cordless models of the Gryphon™ address the needs of many applications, giving an additional value to the product wherever mobility is a must. Free from cable constraint and entanglement, the models are ideal for small warehousing, POS In Store and Cash and Carry applications and more than 6,000 operations are possible per recharging cycle.

Broad Range Radio Coverage

A two way 433 MHz low power narrow band radio avoids interference and allows an operating range of more than 30 m, covering an area of more than 2500 square meters.

GRYPHON MODELS AND ACCESSORIES

Gryphon™ D100 and D200 Models

The Gryphon™ D100 and D200 are the first two models of the reader series. Created to satisfy the needs of a wide range of applications in retail and office environments, they both provide reading of linear codes, while the D200 model can also read 2D stacked codes such as PDF 417, CODABLOCK and Code 16K.

Gryphon™ M100 and M200 Models

The same set of features are available in the Gryphon™ M100 and M200, two cordless models which add value wherever mobility is at a premium. The

ergonomically designed cradle functions both as a radio station and a recharge base.

Stand, Desk Holder and Wall Holder

A small footprint to optimize desk space and the modern design of the Gryphon™ stand make this reader ideal for the needs of smart environments, where elegance and ergonomics are at a premium. The Desk/Wall Holder add ease-of-use and flexibility in many environments where work space is limited.

GRYPHON™ D100/D200: APPLICATIONS ENVIRONMENTS

DISTRIBUTION AND RETAIL

- POS/In-Store
- Shop/Small Warehouse Management
- Document Handling

In typical retail environments such as a supermarket point-of-sale, the Gryphon™ complements flat bed scanners perfectly, providing support by reading heavy and large items as well as poor quality and damaged labels. It can also be useful in all activities that take place on the shop floor (e.g. department store) where incoming goods data logging, inventory management, price verification and document management are common activities. The ergonomic retail stand together with the automatic code detecting function allow hand-free scanning typical of a presentation scanner, in checkout environments where small items must be read frequently.

TRANSPORTATION AND LOGISTICS

- Document Handling
- Front Office Services
- Shipping and Receiving

Document handling and front desk processing are some of the most common applications in post offices, as shipping and receiving inside warehouses. In these environments, where ergonomics and reading performance are a must, the Gryphon™ series produces highly productive results, especially in sequential operations, thanks to its promptness and flexibility.
The new optimized optics provide outstanding reading performance, while the hands-free stand allows the operator to better manage documents and small parcels providing ergonomics and a user-friendly working environment.

MANUFACTURING

- Work in Progress
- Quality Control
- Tracking

The Gryphon™ also provides excellent value for applications in manufacturing environments. There are various processes in the manufacturing environment, typically consisting of assembly line material tracking, inventory management, quality control and work-in-progress. These processes are performed at the highest level of accuracy and speed thanks to the new Gryphon™ reader. Its high mechanical resistance guarantees product duration and investment protection. The good reading iegreen spotle directly on the bar code also provides the user with clear reading feedback, useful in noisy environments. The Desk and wall holder accessories allow the user to put the reader in a safe place when not in use.

DISTRIBUTION AND RETAIL

- POS/In-Store
- Small Warehouse
- Shop Inventory Management
- Cash & Carry/DIY Management
- Document Handling
- Front Office Services
- Shipping and Receiving

The introduction of instinctive reading distance technology in a cordless scanner permits the Gryphon™ M100 and Gryphon™ M200 to answer the needs of a wide range of applications.
Management of traditional shops from receiving to point-of-sale becomes easier with the use of a reader without cable constraints. Merchandise no longer needs to be moved around the store floor during inventory and price checks. Time consuming activities such as reordering and stock replacement recording typically done on paper can now be executed in real time thanks to instant data transmission to the information system.

In particular point-of-sale environments such as wholesale, cash & carry and DIY stores where goods are usually large and heavy, the items cannot be lifted easily onto flat-bed scanners. In this case, the Gryphon™ M readers are ideal due to their mobility, which lets the operator move around the sales cart.
The Gryphon™ M200, which reads linear and stacked codes, provides an additional value in applications where PDF417 codes are used, such as in document handling, shipping and receiving.
Both models supply cordless alternatives in many activities where the operator needs flexibility and mobility. In distribution environments, the cordless Gryphon™ M readers are very useful in managing damaged and returned item applications, as well as picking operations.

TRANSPORTATION & LOGISTICS/MANUFACTURING

- Shipping and Receiving
- Document Handling
- Work in Progress
- Quality Control
- Tracking

In Transportation and Logistics environments, such as on loading docks, where goods shipping and receiving requires freedom from cable constraint, the Gryphon™ M models offer the ideal solution. The Gryphon™ M200 decodes information contained in stacked codes typically used to store data of an entire pallet of merchandise.
Regarding Manufacturing, the cordless Gryphon™ fulfils the needs of new industry standards that recommend the use of linear and PDF417 codes on tracking and shipping labels, as well as guaranteeing safety by eliminating the use of cables.

MODELS AND ACCESSORIES

Models

- **Gryphon™ D100**
  Hand-Held reader for linear bar codes

- **Gryphon™ D200**
  Hand-Held reader for linear and stacked codes

- **Gryphon™ M100**
  Hand-Held cordless reader for linear bar codes (433 MHz)

- **Gryphon™ M100**
  Hand-Held cordless reader for linear bar codes (910 MHz)

- **Gryphon™ M200**
  Hand-Held cordless reader for linear and stacked codes (433 MHz)

- **Gryphon™ M200**
  Hand-Held cordless reader for linear and stacked codes (910 MHz)

Accessories

- **CAB362**
  RS232 coiled cable, 9-pin female connector (DCE config.)

- **CAB363***
  RS232 coiled cable, 25-pin female connector (DCE config.)

- **CAB364***
  RS232 coiled cable, 25-pin male connector (DTE config.)

- **CAB365**
  IBM PS/2 wedge coiled cable, minidin connector

- **CAB366**
  IBM AT/XT wedge coiled cable, din connector

- **CAB348**
  Pen emulation coiled cable, 9-pin male connector

- **CAB350***
  RS232 straight cable, 9-pin female connector (DCE config.)

- **CAB327**
  RS232 straight cable, 9-pin female connector (DCE config.)

- **CAB328***
  RS232 straight cable, 25-pin female connector (DCE config.)

- **CAB320***
  RS232 straight cable, 25-pin male connector (DTE config.)

- **CAB389**
  RS232/Beetle straight cable, 9-pin male connector

- **CAB321****
  IBM PS/2 wedge straight cable, minidin connector

- **CAB322**
  IBM AT/XT wedge straight cable, din connector

- **CAB324**
  IBM vdt. 31xx, 32xx, 37xx wedge straight cable, din 240° connector

- **CAB325**
  IBM vdt. 3151, 34xx wedge straight cable, 8-pin telephone connector

- **CAB326**
  IBM vdt. 3153 wedge straight cable, 6-pin telephone connector

- **CAB323**
  Pen emulation straight cable, 9-pin male connector

- **CAB373**
  WYSE VDT 60/120/160/185/370 wedge straight cable, 4-pin telephone connector

- **CAB374**
  APPLE VDT (ADB-BUS) wedge straight cable, minidin connector

- **CAB375**
  DEC VDT VT200/220/240/300/320/340/420 wedge straight cable, 4-pin telephone connector

- **ADP-102**
  5P din T-pass adapter

- **ADP-103**
  6P minidin T-Pass adapter

- **ADP-200**
  USB adapter

- **Operator's Manual**
  Software manual for Gryphon™ series

- **SPC-Gryphon™**
  Desk/Wall holder

- **STD-Gryphon™**
  Hands-free stand

- **OM-Gryphon™**
  Base/Charger with multistandard interface (433 MHz)

- **OM-Gryphon™**
  Base/Charger with multistandard interface (910 MHz)

- **PG5 (110 Vac)**
  Power supply unit 5 Vdc

- **PG5 (220 Vac)**
  Power supply unit 5 Vdc

- **PG110 (110 Vac)**
  Power supply unit 12 Vdc for OM-Gryphon™

- **PG220 (220 Vac)**
  Power supply unit 12 Vdc for OM-Gryphon™

  *Power supply available on pin 9 or 25 of the connector.
  **CAB321 SH1738 (cod. 90A051140) also available for Notebook and IBM SureOne, minidin connector.

SPECIFICATIONS

GRYPHON™ D MODEL

- **POWER SUPPLY**
  5 VDC ±5%

- **CONSUMPTION**
  250 mA operating, 330 mA max.

- **OPERATING TEMPERATURE**
  0 to 55 °C

- **WEIGHT**
  180 g

GRYPHON™ M MODEL

- **BATTERY TYPE**
  2 AA NiMh batteries

- **RECHARGE TIME**
  3 hours max.

- **OPERATING AUTONOMY**
  25,000 reads - NiMh

- **OPERATING TEMPERATURE**
  0 to 40 °C

- **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); <1mW (USA)

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

- **MAX. NR. COEXISTING SYSTEMS**
  2048

- **WEIGHT**
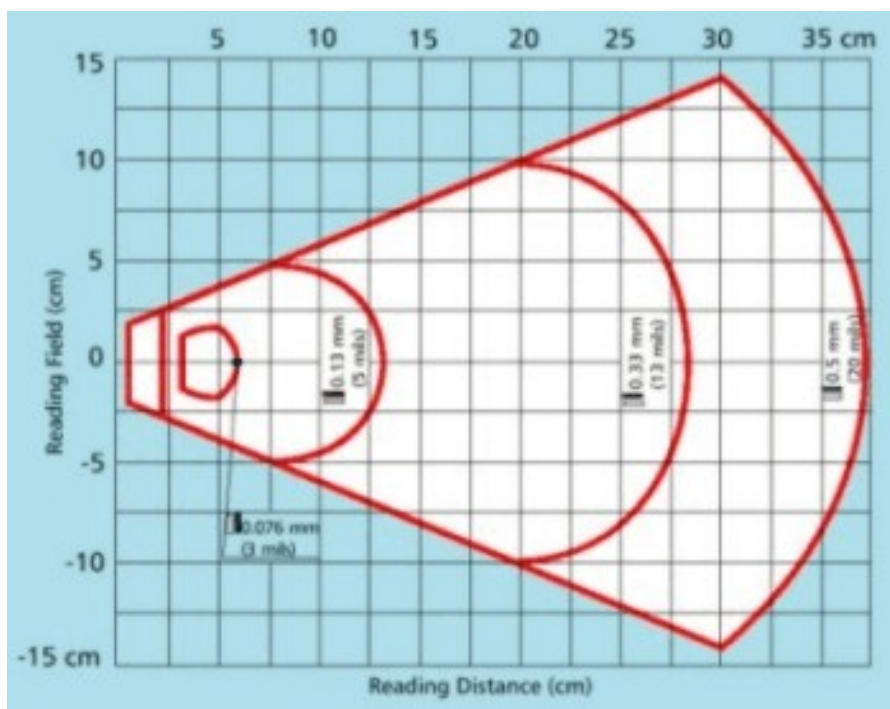 280 g (with batteries)

OM GRYPHON™ CRADLE

- **POWER SUPPLY**
  9 to 28 VDC

- **POWER CONSUMPTION**
  8W max. (charging)

- **READING INDICATORS**
  Battery charging (red); Charge completed (green); Power/Data (yellow)

- **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); <1mW (USA)

- **MAX. NR. COEXISTING SYSTEMS**
  2048

- **WEIGHT**
  250 g

- **DIMENSIONS**
  208 x 107 x 55.5 mm

- **CASE MATERIAL**
  ABS

GRYPHON™ D & GRYPHON™ M MODELS

- **SENSOR**
  CCD solid state (3648 pixels)

- **MAX. SCAN RATE**
  270 scans/sec

- **MAX. RESOLUTION**
  0.076 mm (3 mils)

- **PRINT CONTRAST RATIO (min.)**
  pcs=15%

- **READING ANGLE**
  Skew: ±80°; Pitch: 65°; Tilt: ±35° (EAN13, M=0.8, PCS=0.9)

- **READING INDICATORS**
  Good Read LED, "green spot" on the code, adjustable tone "beeper"

- **BAR CODES**
  2/5 family, Code 39 (plus Code 32, Cip 39), EAN/UPC, ISBN/ISSN, EAN 128, Code 128, ISBT 128, Code 93, Code 11, CODABAR, TELEPEN, PLESSEY, Code MSI, Code Delta IBM (D200/M200 model only) CODABLOCK, Code 16K, PDF 417, Code 49

- **PROGRAMMING METHOD**
  Manual: Reading special bar codes
  Automatic (with RS232): S/W commands through the serial port
  WinSetPlus: Windows configuration program

- **INTERFACES**
  RS232, pen emulation, Wedge (PC IBM AT/PS2, IBM SureOne, Notebook, IBM terminals: 31xx, 32xx, 34xx, 37xx, 3153, WYSE VDT 60/120/160/185/370, DEC VDT VT200/220/240/300/320/ 340/420, APPLE ADB BUS) ALT mode Wedge option for PC/AT and Notebook, keyboard set-up

- **ENHANCED FEATURES**
  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 (without batteries)

- **HUMIDITY**
  90% non condensing

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

- **ENVIRONMENTAL PROTECTION**
  IP30

READING DIAGRAMS

Gryphon™ D100/M100

Gryphon™ D200/M200