



***Instinctive Reading Intelligent Scanner***

**Features**

- Outstanding reading and decoding speed
- Linear and PDF417 bar code decoding
- Plug & Play with Enhanced Multistandard Architecture
- Ergonomic and user friendly for intuitive operation
- Modular design open to upgrades
- Various accessories available suited to specific application needs

**Applications**

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

**General Description**

Datalogic has moved a step ahead in the concept of “instinctive reading.” The new **Gryphon™** reader series has been developed to provide optimized 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 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 gun shape together with 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 optimized optics provide enhanced flexibility and allow reading of the most popular standard codes with superior depths of field from near contact to over 30 cm. High resolution codes, up to 3 mils, can also be easily read. *Puzzle Solver Technology™*, patented by Datalogic, enables reading of damaged codes while advanced data editing allows complete data manipulation before transmission to the host. A specific model of the **Gryphon™** series has 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 leading the way to the future of bar code reading.

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## The Gryphon™ Reader Series

Datalogic's know-how and over twenty years of experience in the design and production of hand-held readers have been fundamental in developing the new Gryphon™ readers series, a brand new platform packed with the top features and performance provided by today's technology.

All the most "user-sensitive" factors have been deeply analyzed: ergonomics, throughput, functionality and mechanical robustness have been carefully balanced to provide the Gryphon™ with the value expected by end users.

Furthermore, the concept of a modular platform introduces flexibility into the product's configuration making it suitable to a large number of possible applications.

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### Distinctive Features

#### *Plug & Play*

The enhanced multi-interface architecture allows quick and easy connection to the system. The user simply plugs in the cable and reads the selected interface configuration code. No other settings are required to be operative quickly. The reader can be customized further with additional setups to satisfy specific application requirements.

#### *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, "state-of-the-art" 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.

#### *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) "green spot" 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.

#### *Investment Protection*

The mechanical robustness and high level of MTBF (more than 240,000 hours) represent top performance levels for devices in this class. Product durability guarantees use for many years and, thanks to the resident flash memory, the internal software can be upgraded by users, keeping the reader up-to-date at all times.

#### *Flexibility*

The large set of configurable parameters allow the user to customize 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.

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## Gryphon™ Models and Accessories



Clockwise from left: Gryphon Stand, Desk holder, Wall holder

#### *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.

#### *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 the premium. The Desk/Wall Holder adds ease-of-use and flexibility in many environments where work space is limited. The Gryphon™ accessory line also includes a wide set of connecting cables for various system environments (see Models and Accessories table for details).

# Gryphon™: Suitable for a Number of Application 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 allows 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 "green spot" 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.



# Models and Accessories

PRODUCT	DESCRIPTION	ORDER NO.	
GRYPHON™ D100	Hand-Held reader for linear bar codes	901651000	
GRYPHON™ D200	Hand-Held reader for linear and stacked (PDF417, CODABLOCK, etc.) codes	901661000	
ACCESSORIES	COILED CABLE	STRAIGHT CABLE	
CAB362	RS232 cable, 9-pin female connector (DCE config.)	●	90A051330
CAB363*	RS232 cable, 25-pin female connector (DCE config.)	●	90A051340
CAB364*	RS232 cable, 25-pin male connector (DTE config.)	●	90A051350
CAB365	IBM PS/2 wedge cable, minidin connector	●	90A051360
CAB366	IBM AT/XT wedge cable, din connector	●	90A051370
CAB348	Pen emulation cable, 9-pin male connector	●	90A051210
CAB350*	RS232 cable, 9-pin female connector (DCE config.)	●	90A051230
CAB327	RS232 cable, 9-pin female connector (DCE config.)	●	90G001070
CAB328*	RS232 cable, 25-pin female connector (DCE config.)	●	90G001080
CAB320*	RS232 cable, 25-pin male connector (DTE config.)	●	90G001000
CAB321**	IBM PS/2 wedge cable, minidin connector	●	90G001010
CAB322	IBM AT/XT wedge cable, din connector	●	90G001020
CAB324	IBM vdt. 31xx, 32xx, 37xx wedge cable, din 240° connector	●	90G001040
CAB325	IBM vdt. 3151, 34xx wedge cable, 8-pin telephone connector	●	90G001050
CAB326	IBM vdt. 3153 wedge cable, 6-pin telephone connector	●	90G001060
CAB323	Pen emulation cable, 9-pin male connector	●	90G001030
CAB369	IBM 468x and 469x cable, 8-pin connector on 5B port	●	90A051410
CAB370	IBM 468x and 469x cable, 4-pin connector on 9B port	●	90A051420
CAB373	WYSE VDT 60/120/160/185/370 wedge cable, 4-pin telephone connector	●	90A051470
CAB374	APPLE VDT (ADB-BUS) wedge cable, minidin connector	●	90A051480
CAB375	DEC VDT VT200/220/240/300/320/340/420 wedge cable, 4-pin telephone connector	●	90A051490
ADP-102	5P din T-pass adapter		90ACC1030
ADP-103	6P minidin T-pass adapter		90ACC1040
Operator's Manual	Software manual for Gryphon™ series		90ACC1780
SPC-Gryphon™	Desk/wall holder		90ACC1770
STD-Gryphon™	Hands-free stand		90ACC1760
PG5 (110 Vac)	Power supply unit		B9751038
PG5 (220 Vac)	Power supply unit		B9751037

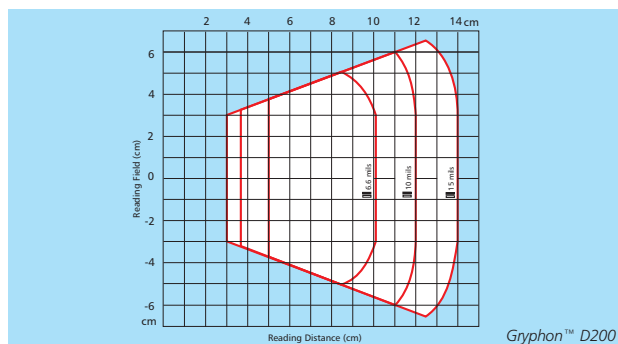
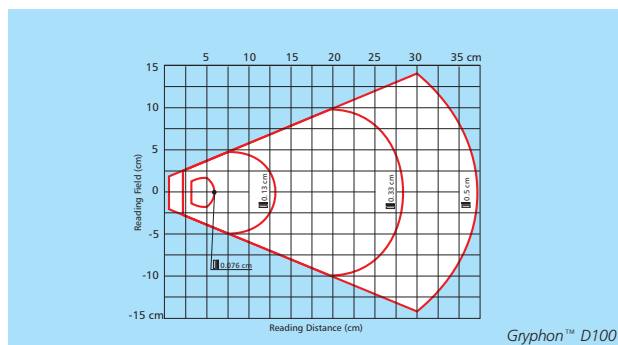
\*Power supply available on pin 9 or 25 of the converter.

\*\*CAB321 SH1738 (cod. 90A051140) also available for Notebook and IBM SureOne, minidin connector.

## Specifications

POWER SUPPLY	5 VDC $\pm$ 5%
CONSUMPTION	250 mA operating, 330 mA max.; 250 $\mu$ A sleep mode
MAX. RESOLUTION	0.076 mm (3 mils)
SCAN RATE	270 scans/sec.
MIN. PRINT CONTRAST RATIO	15%
READING ANGLE	Skew: $\pm$ 80°, Pitch: 65°, Tilt $\pm$ 35° (EAN13, M=0.8, PCS=0.9)
READING INDICATORS	Good Read LED, "green spot" on the code, adjustable tone "beeper"
READABLE BAR CODES	2/5 family, Code 39 (plus Code 32, Cip 39), EAN/UPC, EAN 128, Code 128, Code 93, CODABAR, TELEPEN, PLESSEY, Code 49, Code MSI, Code Delta IBM, Code 11, CODABLOCK, and Code 16K, PDF 417
	(D200 model only)
PROGRAMMING METHOD	Reading special bar codes
Manual	S/W commands through the serial port
Automatic (with RS232)	Windows configuration program
WinSetPlus	
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 VDT ADB BUS) ALT mode Wedge option for PC/AT and Notebook, keyboard set-up
	Puzzle Solver™, data editing and data concatenation
ENHANCED FEATURES	
WEIGHT (approx.)	200 g
CASE MATERIAL	ABS and Polycarbonate
CABLE LENGTH	2 m (6.1 ft.) linear or coiled
AMBIENT LIGHT CONDITIONS	Up to 100.000 lux
MTBF	>240,000 hours (MIL-HDBK-217F ground benign)
OPERATING TEMPERATURE	0 to 55 °C
STORAGE TEMPERATURE	-20 to 70 °C
HUMIDITY	90% non condensing
DROP RESISTANCE	IEC 68-2-32 Test ED; withstands repeated drops from 1.5 m onto a concrete surface
ESD PROTECTION	16 kV
ENVIRONMENTAL PROTECTION	IP30

## Reading Diagrams



**DATA LOGIC DL**  
Bar Code & More

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