



\*For models with cable only



Hand-Held Readers

## General Description

The new Gryphon™ reader series has been developed by Datalogic to provide optimised 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; optimised 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

SENSOR  
MAX. SCAN RATE  
MAX. RESOLUTION  
PRINT CONTRAST RATIO  
READING ANGLE:  
READING INDICATORS  
BAR CODES (D100, D200,  
M100, M200)

(D200/D220/M200 only)  
(D120/D220 only)

### PROGRAMMING METHOD

Manual  
Automatic (with RS232)  
Sm@rtSet

### INTERFACES

(D110 only)  
(D120/D220 only)

### ENHANCED FEATURES

CASE MATERIAL  
AMBIENT LIGHT CONDITIONS  
STORAGE TEMPERATURE  
HUMIDITY  
DROP RESISTANCE

### ENVIRONMENTAL PROTECTION

### MODEL

POWER SUPPLY  
CONSUMPTION  
OPERATING TEMP.  
WEIGHT

### GRYPHON™ D & GRYPHON™ M

CCD solid state (3648 pixels)  
270 scans/sec  
0.076 mm (3 mils)  
15% (min.)  
Skew:  $\pm 80^\circ$ ; Pitch:  $65^\circ$ ; Tilt:  $\pm 35^\circ$  (EAN13, M=0.8, PCS=0.9)  
Good Read LED, "green spot" on the code, adjustable tone "beeper"  
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  
Code 16K, Code 49, PDF 417  
RSS variants

Reading special bar codes  
S/W commands through the serial port  
Windows configuration program  
RS232, Wedge, Wand  
RS232 & IBM46XX Interface  
USB & RS232 Interface  
Puzzle Solver™, data editing and data concatenation  
ABS and Polycarbonate, plus co-moulded rubber  
Up to 100.000 lux  
-20 to 70 °C (-4 to 158° F) (without batteries)  
90% non condensing  
IEC 68-2-32 Test ED; withstands repeated drops from 1.8 m onto a concrete surface  
IP30

### GRYPHON™ D

5 VDC  $\pm 5\%$   
250 mA operating, 330 mA max.  
0 to 55 °C (32 to 131° F)  
180 g

### MODEL

BATTERY TYPE  
RECHARGE TIME  
OPERATING AUTONOMY  
OPERATING TEMP.  
RADIO FREQUENCY

### BIT RATE

EFFECTIVE  
RADIATED POWER  
RADIO RANGE

### COEXISTING SYSTEMS

WEIGHT

### CRADLE

POWER SUPPLY  
POWER CONSUMPTION  
READING INDICATORS

### RECHARGE TIME

RADIO FREQUENCY

### BIT RATE

EFFECTIVE  
RADIATED POWER  
COEXISTING SYSTEMS

### MULTI-POINT CONFIGURATION

WEIGHT

DIMENSIONS

OPERATING TEMP.

STORAGE TEMP.

CASE MATERIAL

### GRYPHON™ M

2 AA NiMH batteries  
3 hours max.  
25,000 reads - NiMH  
0 to 40 °C (32 to 104° F)  
433.92 MHz (Europe);  
910 MHz (USA)

19,200 baud (Europe);  
36,800 baud (USA)  
< 10 mW (Europe);  
< 1mW (USA)  
30m open air (Europe);  
15m open air (USA)  
2048 max.

280 g (with batteries)

### OM GRYPHON™

9 to 28 VDC  
8W max. (charging)  
Battery charging (red);  
Charge completed (green);  
Power/Data (yellow)

3 hours max.

433.92 MHz (Europe);  
910 MHz (USA)

19,200 baud (Europe);  
36,800 baud (USA)

< 10 mW (Europe);  
< 1mW (USA)

2048 max.

Up to 16 readers connected  
to the same cradle

250 g

208 x 107 x 55.5 mm

0° to +40 °C / 32° to 104 °F

-20° to +70 °C / -4° to 158 °F

ABS

## Accessories



Gryphon™ Stands



Gryphon™ Desk/Wall holders



Gryphon™ Protective case



OM - Gryphon™/C-Gryphon™

### 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.

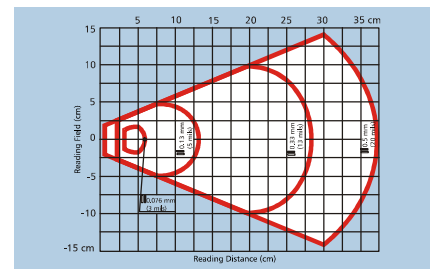
### Protective case-belt coupler

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

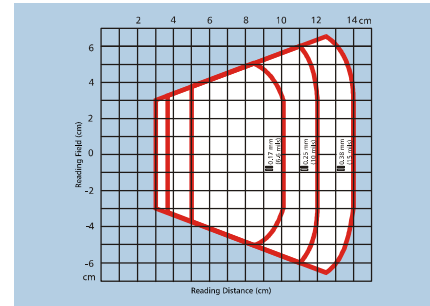
### OM Gryphon™ / C-Gryphon™

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.

## Reading Diagrams



Standard reading zone



PDF417 reading zone