

*For models with cable only



General Description

The new GryphonTM 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 GryphonTM 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 GryphonTM provides "good reading" feedback directly on the code, where the user usually tends to be looking.

GryphonTM connectivity is now further expanded thanks to the introduction of new tethered models. Besides the standard GryphonTM models D100 and D200, the new GryphonTM 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 GryphonTM 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 GryphonTM 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

GryphonTM 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

GryphonTM Mobile

- > 433 MHz or 910 MHz Radio System
- > Multiple Scanner Support: up to 16 scanners simultaneously
- > Radio Range 30 meters
- > 100% compatible with STAR-SystemTM
- > 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: ±80°; Pitch: 65°; Tilt: ±35° (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 ±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.

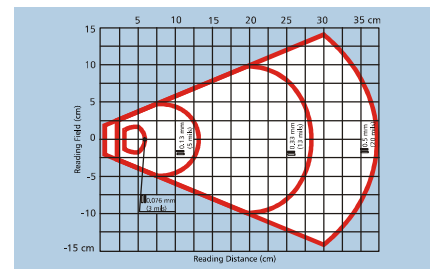
Protective case-belt coupler

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

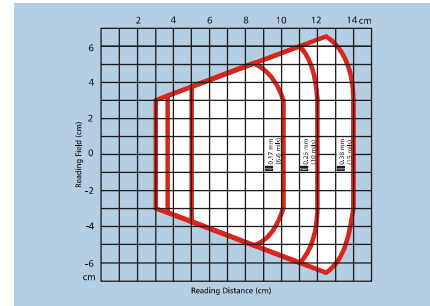
OM Gryphon™ / C-Gryphon™

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



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