gryphon™

Instinctive Reading Intelligent Scanner

Cordless System

GRYPHON

USB
UNIVERSAL SERIAL BUS

5 year WARRANTY
*For models with cable only

General Description

The Gryphon™ reader series has been developed by Datalogic to provide outstanding reading performance and excellent ergonomic design combined with unmatched durability.

The balance of top-of-the-range features and extreme versatility of the Gryphon™ makes it the ultimate solution for many applications in retail as well as in light industrial environments where low resolution and/or damaged codes need to be read without problems.

The optimized optics of the Gryphon™ series allow reading of the most popular standard codes with superior depths of field from near contact to over 43 cm / 1.4 ft (long range version). The "green spot", (Datalogic patent application) produced by the Gryphon™ provides "good reading" feedback directly on the code, useful in under-lighted or noisy environments.

Gryphon™ connectivity is now further expanded thanks to the introduction of new multi-interface models (Wedge, USB, RS-232 and Wand), the D130 and D230. Besides these models, the new Gryphon™ Long Range model D130 LR is also now available. This new model offers long range reading distances, up to 43 cm / 1.4 ft (13 mils resolution for EAN and 100% UPC codes). In addition, the Gryphon™ readers also read GS1 Databar (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.

The Gryphon™ M100 and M200 models supported by the DATALOGIC STAR™ cordless system, the most reliable radio in the market which allows operations anywhere mobility is required at the Desk/POS and around the shop floor, as well as in small warehouses.

Features

Gryphon™ Desk
> Reads most common linear bar codes including GS1 Databar and PDF417
> Multi-interface and specific models available (IBM46xx, ESD)
> Fast reading speed: 270 scans/sec
> Excellent reliability: less than 0.5% yearly failure rate
> Reading range from 0 to 43 cm / 1.4'
> Outstanding performance when reading damaged codes
> Full range of accessories available
> Compatible with all Datalogic cables

Gryphon™ Mobile
> 433 MHz or 910 MHz Radio System
> Multiple Scanner Support: up to 16 scanners simultaneously
> Radio Range 30 m / 49.2'
> 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
> Light industrial manufacturing

Specifications

MODELS	GRYPHON™ D & GRYPHON™ M
SENSOR	CCD solid state (3648 pixels)
MAX. SCAN RATE	270 scans/sec
MAX. RESOLUTION	0.076 mm / 3 mils
PRINT CONTRAST RATIO	15% (min.)
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 *(D130, M100)*	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, GS1 Databar
(D230/M200 only)	Code 16K, Code 49, PDF 417
PROGRAMMING METHOD	
Manual	Reading special bar codes
Automatic (with RS-232)	S/W commands through the serial port
Sm@rtSet	Windows configuration program
INTERFACES	USB, RS-232, Wedge, Wand
(D110 only)	RS-232 & IBM46XX Interface
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 / 9290 foot candles
STORAGE TEMPERATURE	-20 to 70 °C / -4º to 158° F (without batteries)
HUMIDITY	90% non condensing
DROP RESISTANCE	IEC 68-2-32 Test ED; withstands repeated drops from 1.8 m / 5.9' onto a concrete surface
ENVIRONMENTAL PROTECTION	IP30

MODEL	GRYPHON™ D
POWER SUPPLY	5 VDC ±5%
CONSUMPTION	250 mA operating, 330 mA max.
OPERATING TEMP.	0 to 55 °C (32 to 131° F)
WEIGHT	180 g

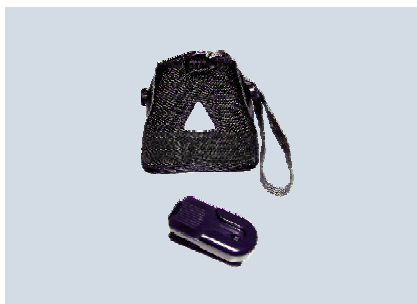| MODEL	GRYPHON™ M
BATTERY TYPE	2 AA NiMh batteries
RECHARGE TIME	3 hours max.
OPERATING AUTONOMY	40,000 reads - NiMh
OPERATING TEMP.	0 to 40 °C / 32º to 104° F
RADIO FREQUENCY	433.92 MHz (Europe); 910 MHz (USA)
BIT RATE	19,200 baud (Europe); 36,800 baud (USA)
EFFECTIVE RADIATED POWER	<10 mW (Europe); <1mW (USA)
RADIO RANGE	30m open air (Europe); 49.2' open air (USA)
COEXISTING SYSTEMS	2048 max.
WEIGHT	280 g / .62 lbs (with batteries)
CRADLE	**OM GRYPHON™**
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)
COEXISTING SYSTEMS	2048 max.
MULTI-POINT CONFIGURATION	Up to 16 readers connected to the same cradle
WEIGHT	250 g / .55 lbs
DIMENSIONS	208 x 107 x 55.5 mm 8.2" x 4.2" x 2.2"
OPERATING TEMP.	0 to 40 °C / 32° to 104° F
STORAGE TEMP.	-20 to 70 °C / -4° to 158° F
CASE MATERIAL	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.

◆DATALOGIC ™