



Complete Solution



Blue Spot



RSS &amp; PDF417 Codes



## General Description

Gryphon™ BT 100 and BT200 are two new members of the successful Gryphon™ mobile family. They share the same powerful architecture of the other models with a special addition: the latest innovation in the wireless communication, Bluetooth® technology. This technology provides the operator with wider mobility and no cable constraint. Bluetooth® is a standard defined worldwide, and it allows various devices manufactured by different companies to easily connect and communicate with each other.

The new Gryphon™ BT contains the Datalogic Bluetooth® radio module, which is compliant with the up-to-date Bluetooth® 1.1 standard and can communicate with any PC, Laptop, PDA, mobile phone, printer etc. that includes an embedded Bluetooth® module or an external commercial Bluetooth® dongle. The implemented Bluetooth® profile (i.e. the "protocol" used for communication) is provided by the SPP=Serial Port Profile: the Bluetooth® device is seen by the host like a virtual COM port.

Bluetooth® technology has been added to a first class scanner. Thanks to the state-of-art optics and a decode rate of 270 scans/sec, reading performance in terms of decoding capability and reading quickness makes the Gryphon™ BT very user friendly, intuitive and fast.

Furthermore, the "blue spot" produced by the Gryphon™ BT, provides "good reading" feedback directly on the code and makes the user's job easier, especially in noisy environments.

## Features

- > Bluetooth® 1.1 compliant
- > Virtual COM and keyboard emulation data input
- > High speed data transmission: zero delay
- > RSS symbologies, PDF417 and linear bar code decoding
- > Package contents:
  - Gryphon™ BT
  - C- Gryphon™ Battery Charger
  - CD-ROM Gryphon™ BT
  - Gryphon BT™ Quick Reference

## Applications

- > "Cable replacement" for POS/In-Store
- > Document Handling
- > Shop Inventory Management

## Specifications

**BLUETOOTH RADIO COMMUNICATION**

CONFORMITY	R&TTE and Bluetooth 1.1 Qualified 802.11b co-existence
RADIO FREQUENCY	2.4 to 2.48 GHz
COMMUNICATION	SPP (Serial Port Profile) Bluetooth 1.1 compliant
EFFECTIVE RADIATED POWER	Up to 4 dBm transmit power for class 2 operation
BIT RATE	Up to 921 Kbps
RADIO RANGE	10 m in a typical environment

**ELECTRICAL CHARACTERISTICS**

POWER SUPPLY	Direct plug-in 9-28 VDC (C-Gryphon™ B/C)
BATTERY TYPE	2 AA NiMh batteries
RECHARGE TIME	4 hours max.
OPERATING AUTONOMY	24,000 reads - NiMh
POWER CONSUMPTION	8W max. (C-Gryphon™ B/C)

**MECHANICAL CHARACTERISTICS**

DIMENSIONS	208 x 107 x 55.5 mm
WEIGHT	280 g (Gryphon™ BT with batteries); 250 g (C-Gryphon™ B/C)
CASE MATERIAL	ABS and Polycarbonate, plus co-moulded rubber

**PERFORMANCE**

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%
INTERFACES	RS232 (C-Gryphon™ B/C)
READING ANGLE	Skew: ±80°; Pitch: 65°; Tilt: ±35° (EAN13, M=0.8, PCS=0.9)
READING INDICATORS	Good Read Blue LED, "Blue spot" on the code, adjustable tone "beeper" (Gryphon™ BT), Battery Charging (red), Charge completed (green), Power (yellow) (C-Gryphon™ B/C)

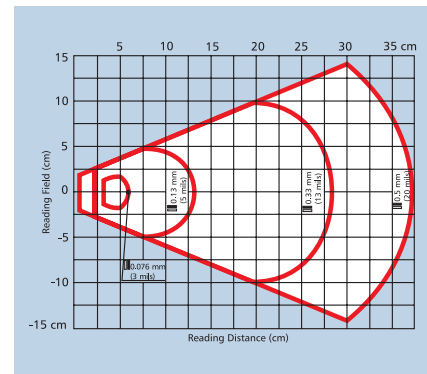
**ENHANCED FEATURES  
BAR CODES****BT200 Model  
PROGRAMMING METHOD**

Manual	Reading special bar codes
Automatic (with RS232)	S/W commands through the serial port
Sm@rtSet™	Windows configuration program

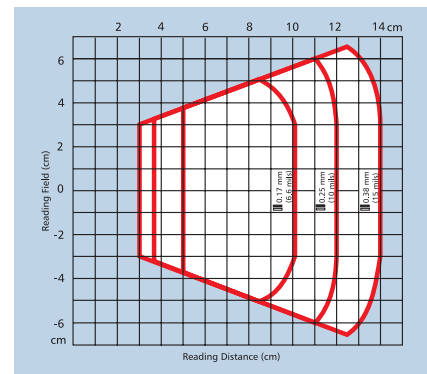
**ENVIRONMENTAL CHARACTERISTICS**

DROP RESISTANCE	IEC68-2-32 TEST ED, resists repeated drops from 1.8m onto a concrete surface
OPERATING TEMPERATURE	0 to 40° C (32 to 104° F)
STORAGE TEMPERATURE	-20 to 70° C (-4 to 158° F)
AMBIENT LIGHT CONDITIONS	Up to 100,000 lux
HUMIDITY	90% non condensing
ENVIRONMENTAL PROTECTION	IP30

## Reading Diagrams



Standard reading zone



PDF417 reading zone

## Connectivity



The introduction of Bluetooth® technology offers a wireless cost-effective solution when mobility is required. The Gryphon™ bar code reader can be connected to mobile computers, printers, mobile phones and other Bluetooth® compliant devices. The new Gryphon™ BT provides new application possibilities. A bar code reader can now be used, for example, in mobile shopping applications by simply transmitting data to a Laptop or a PDA.

Bluetooth® is a standard communication protocol that provides full connectivity between various devices. It guarantees quick and reliable communication and data transmission.

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