



## General Purpose Handheld Linear Imager Bar Code Reader with Bluetooth® Wireless Technology

With rich feature sets and extensive model options, the Gryphon product series from Datalogic Scanning represents the premium level of data collection equipment for general purpose applications. Extremely versatile and durable the Gryphon BT cordless linear imaging readers with Bluetooth® Wireless Technology are the ultimate solution for applications in retail and light industrial environments where mobility is necessary for improved productivity. Mobile communications eliminate the restraints caused by cabled devices, providing a safer and more efficient work environment.

The Gryphon BT readers can transmit data to the host through its base station as well as any commercial or embedded Bluetooth® v1.2 compliant device. Its Software utility converts serial input to keyboard emulation, providing more interface possibilities. The Gryphon BT100 models offer standard support for 1D codes including GS1 DataBar. The BT200 models add additional

symbology support for stacked codes including PDF417 and GS1 DataBar plus EAN/UPC composite codes.

Featuring Datalogic's exclusive patented 'Green Spot' for good read feedback directly on the code; it helps to improve productivity especially in noisy environments. When the readers are used in Stand Mode, the Green Spot remains on to aid in positioning the code for quick and intuitive reading.

Datalogic's patented PuzzleSolver™ decoding algorithm guarantees outstanding performance on poorly printed or damaged codes and advanced data editing and data formatting modes are available to format the collected data as required by the application software.



### Features

- Fast reading performance up to 270 scans/second
- Bluetooth Wireless Technology with up to 10 m / 32.8 ft range
- High speed data transmission with zero delay
- Virtual COM and keyboard emulation data input
- Datalogic's patented 'Green Spot' for good-read feedback
- Supports GS1 DataBar™ linear codes with additional support for stacked codes like PDF417, MicroPDF and GS1 DataBar plus UPC/EAN composites on select models
- Water and Particulate Sealing Rating: IP30
- Drop resistance to 1.8 m / 5.9 ft



## Specifications

### CORDLESS COMMUNICATIONS

BLUETOOTH WIRELESS TECHNOLOGY

Protocol: Bluetooth 1.2 Certified Class 2  
Radio Frequency: 2.40 to 2.48 GHz  
Radio Range (Open Air): 10.0 m / 32.8 ft

### DECODING CAPABILITY

1D / LINEAR CODES

Autodiscriminates all standard 1D codes including GS1 Databar™ linear codes

STACKED CODES

Code 16K; Code 49; GS1 DataBar Expanded Stacked; GS1 DataBar Stacked; GS1 DataBar Stacked Omnidirectional; PDF417; Model BT200

### ELECTRICAL

BATTERY

Battery Type: 2 AA NiMH  
Charge Time: External Power: 4 Hours  
Reads per Charge: 24,000

CRADLE INDICATOR LEDS

Battery Charging (Red): Charge Completed (Green): Power/Data (Yellow)

CURRENT

Operating (Typical): C-Gryphon Base/Charger: 8 Watts

INPUT VOLTAGE

C-Gryphon Base/Charger: 9 - 28 VDC

### ENVIRONMENTAL

AMBIENT LIGHT

0 - 100,000 lux

DROP RESISTANCE

Withstands repeated drops from 1.8 m / 5.9 ft onto a concrete surface

ESD PROTECTION (AIR DISCHARGE)

16 kV

HUMIDITY (NON-CONDENSING)

90%

PARTICULATE AND WATER SEALING

IP30

TEMPERATURE

Operating: 0 to 40 °C / 32 to 104 °F  
Storage/Transport: -20 to 70 °C / -4 to 158 °F

### INTERFACES

RS-232

### PHYSICAL CHARACTERISTICS

COLORS AVAILABLE

Dark Grey

DIMENSIONS

20.8 x 10.7 x 5.6 cm / 8.2 x 4.2 x 2.2 in

WEIGHT

C-Gryphon Base/Charger: 250.0 g / 8.8 oz  
Reader: 280.0 g / 9.9 oz (With Batteries)

### READING PERFORMANCE

IMAGER SENSOR

CCD Solid-state 3648 pixels

LIGHT SOURCE

Illumination: LED Array 630 - 670 nm

PRINT CONTRAST RATIO (MINIMUM)

15%

READ RATE (MAXIMUM)

270 reads/sec.

READING ANGLE

Pitch: 65°; Roll (Tilt): +/- 35°; Skew (Yaw): +/- 80°

READING INDICATORS

Beeper (Adjustable Tone); Datalogic 'Green Spot' Good Read Feedback: BlueSpot; Good Read LED

RESOLUTION (MAXIMUM)

0.076 mm / 3 mils

### READING RANGES

TYPICAL DEPTH OF FIELD

Minimum distance determined by symbol length and scan angle. Printing resolution, contrast, and ambient light dependent.

5 mils: 2.0 to 13.0 cm / 0.8 to 5.1 in

7.5 mils: 1.0 to 18.0 cm / 0.4 to 7.0 in

10 mils: 0.5 to 22.0 cm / 0.2 to 8.6 in

13 mils: 1.0 to 28.0 cm / 0.4 to 11.0 in

20 mils: 2.0 to 37.0 cm / 0.8 to 14.4 in

### SAFETY & REGULATORY

AGENCY APPROVALS

The product meets necessary safety and regulatory approvals for its intended use.

The Quick Reference Guide for this product can be referred to for a complete list of certifications.

ENVIRONMENTAL COMPLIANCE

Complies to China RoHS; Complies to EU RoHS

LED CLASSIFICATION

IEC 60825 Class 1 LED

### WARRANTY

3-Year Factory Warranty



#### Cases/Holsters

- 90ACC1857 Protective Case/Belt Coupler



#### Mounts/Stands

- 90ACC1790 esk/Wall Holder
- 90ACC1873 Hands Free Stand (STD-1010) for Gryphon Dx20/BTx00

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