



Industrial Hand-Held Laser Scanner

DATALOGIC
Your Life. Our Enthusiasm™



3 Green Lights (3GL™)



Forklift Solution



STAR-System™
compatible



Hand-Held Readers

General Description

Unmatched ergonomics for flexible and easy installation, intuitive use, reliable and accurate in the long-term for all industrial applications: these outstanding characteristics perfectly summarize the main benefits offered by the renewed Dragon family.

Designed for productivity: operator comfort and productivity, essential in any scan-intensive application, is facilitated by the ergonomic handle, well-balanced weight, multiple good-read feedback (loud beeper, dual patented 3GL™ feedback including 2 leds and a green spot) and built-in metal hook for the reader hung-up on an elastic reel. All this is combined with the Dragon's™ superior reading performance further strengthened by patented Puzzle Solver Technology™ to allow fast and accurate reading of standard, poorly printed and damaged codes.

Reliability and accuracy in the long term: the rugged mechanics of the Dragon™ have been developed and tested to withstand extreme shock conditions (tens of drops from 2 m) as well as normal ones (thousands of 1 m drops) while reading performance and accuracy remain unchanged.

Superior radio features: operators requiring mobility in the manufacturing plant as well as in the warehouse or distribution center can benefit from the versatility of the mobile models: the Datalogic Star Cordless System™ represents the key to increase productivity and flexibility in the working area; it offers scalable solutions to solve simple point-to-point applications and complex projects. Furthermore, the Dragon™ M with a display and 3 push-button keypad allows the operator to visualize the code, receive information from the host and actively interact with it.

Installation flexibility: the set of accessories include a single and multiple battery charger (four slots), holder and stand, offering the opportunity to set-up the working area in the most useful and practical way.

Features

Dragon™ Desk

- > 2 meter drop resistance
- > Standard, LR and XLR optics
- > Man/machine interface: loud beeper and 3GL™ feedback
- > 10 cm to 10 m reading range

Dragon™ Mobile

- > Several models available:
 - With or without display
 - Standard, LR and XLR optics
 - 433 MHz or 910 MHz radio systems
- > Seamless roaming
- > Point-to-Point & Multipoint transmission
- > 100% compatible with STAR-System™
- > Plug-in battery

Applications

- > Work-in-progress control
- > Warehouse management
- > Shipping and receiving control
- > Cash & carry retail applications
- > Forklifts



Specifications

MODELS

LIGHT SOURCE
MAX SCAN RATE
MAX RESOLUTION
PRINT CONTRAST RATIO (min)
READING ANGLE
READING INDICATORS
BAR CODES

DRAGON™ D & DRAGON™ M

VLD 630 - 680 nm
35 ± 5 scans/sec
0.76 mm (D/M131); 0.25 mm (D/M1x1 LR); 0.33 mm (D/M1x1 XLR)
15%
Skew: ±60; Pitch: 5 to 55, -5 to -55; Tilt: ±20
Laser ON, 3 GL™ feedback, Beeper, Good transmission (Dragon™ M only)
2/5 family, Code 39 (plus Code 32, Cip 39), EAN/UPC, EAN 128, Code 128, Code 93, CODABAR, Code 49, Code MSI, Code 11, Code 16K, ISBN/ISSN, ISBT 128, RSS codes

PROGRAMMING METHOD

Manual
Automatic
Datalogic Aladdin™

Reading special bar codes
S/W commands through the RS232 serial port
Windows configuration program
Puzzle Solver™, data editing and data concatenation
ABS and polycarbonate, plus co-molded rubber
Immune to light exposure in offices/facilities, and direct exposure to sunlight
90% non condensing
IP64

ENHANCED FEATURES

CASE MATERIAL
AMBIENT LIGHT CONDITIONS
HUMIDITY
ENVIRONMENTAL PROTECTION

CRADLE

POWER SUPPLY
POWER CONSUMPTION
READING INDICATORS
INTERFACES
DIMENSIONS without antenna
CASE MATERIAL
WEIGHT

OM-3000/OM-3010

External: 10 to 30 Vdc; Host : 5 Vdc ± 10%
External: max. 10 W, Host: max. 500 mA
Battery charging (red), Charge completed (green), Power/Data (yellow)
USB, RS232, Wedge, Wand and RS485
240 x 108 x 95 mm (9.44 x 4.25 x 3.75 in)
ABS
Approx. 380 g /13.4 oz

MODELS

POWER SUPPLY
CONSUMPTION
INTERFACES
OPERATING TEMPERATURE
STORAGE TEMPERATURE
DROP RESISTANCE
WEIGHT

DRAGON™ D

4 to 30 Vdc
420 mA @ 4 V; 310 mA @ 5 V; 62 mA @ 30 V
USB, RS232, Wedge, Wand
-30 to 50 °C (-22 to 122 °F)
-30 to 70 °C (-22 to 158 °F)
Withstands repeated drops from 2 m onto a concrete surface
Approx. 295 g (10.4 oz)

MODELS

BATTERY TYPE
DISPLAY

DRAGON™ M

Li-ION 2150 mAh
Graphic with backlight,
32 x 96 dots, and font
dimension can be selected by
the user (with default selection
4 lines x 16 columns)
(M131/D model only)

KEYPAD

3 keys
(M131/D model only)

RECHARGE TIME

External: max. 4 hrs /
Host: max. 10 hrs

OPERATING AUTONOMY

Over 60,000 operations

OPERATING TEMP.

-20 to 50 °C (-4 to 122 °F)

STORAGE TEMP.

-20 to 70 °C (-4 to 158 °F)

DROP RESISTANCE

Withstands repeated drops
from 2 m

WEIGHT

Approx. 395 g

RADIO SPECIFICATIONS

RADIO FREQUENCY 433.92 MHz (EMEA, Asia,
Oceania);
910 MHz (Americas)

BIT RATE

19,200 bauds (433.92 MHz),
36,800 (910 MHz)

EFFECTIVE RADIATED POWER

<10 mW (433.92 MHz);
<1 mW (910 MHz)

RADIO RANGE

Up to 50 m (433.92 MHz);
Up to 30 m (910 MHz), depending
on the working area

MAX NR. COEXISTING SYSTEMS

Max 32 devices per radio
receiver; max 2000 devices in
the same reading area

Accessories



Multi-battery charger



OM-3000



SBS-3000 and RBP-3000

Stand

Makes it possible to use the reader in hands-free mode.

OM 3000

Radio base station and Gun charger used with RS232, RS485, Wedge, Wand and USB interfaces. It's compatible with the AC-3000.

OM-3010

This radio base station and Gun charger is available with RS232, Wedge, Wand and USB interfaces.

C-3000 Gun charger

Compatible with SBS-3000.

SBS-3000 Spare Battery Slot

Coupled with OM-3000 or C-3000, allows spare battery charging.

MBC-3000 Multiple battery charger

It allows 4 battery charging.

SPC-3000 Desk/Wall Holder

It provides installation flexibility.

HLS-3000 Universal Holster

Allows the reader to be attached to desktops, work-tables, forklift trucks and other types of supports.

PC-3000 Protective Case/Belt Holster

It permits the reader to be carried on a belt when not in use and protects it against drops.

RBP-3000 Removable Battery Pack

Click on/off battery without screw for easy battery replacement and "stand-alone" charging.

Reading Diagrams

