

# **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<sup>™</sup> 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<sup>™</sup> 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<sup>™</sup> 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



# **Industrial Hand-Held Laser Scanner**

# **Specifications**

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

PROGRAMMING METHOD

Manual Automatic Datalogic Aladdin™ ENHANCED FEATURES CASE MATERIAL AMBIENT LIGHT CONDITIONS

HUMIDITY **ENVIRONMENTAL PROTECTION** 

**CRADLE** 

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

MODELS

POWER SUPPLY CONSUMPTION **INTERFACES** OPERATING TEMPERATURE STORAGE TEMPERATURE DROP RESISTANCE WEIGHT

**DRAGON™ D & DRAGON™ M** VLD 630 - 680 nm

 $35 \pm 5$  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

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

OM-3000/OM-3010

External: 10 to 30 Vdc; Host : 5 Vdc  $\pm$  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)

Approx. 380 g /13.4 oz

DRAGON™D

4 to 30 Vdc 420 mA @ 4 V; 310 mA @ 5 V; 62 mA @ 30 V

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)

DRAGON™M MODELS

**BATTERY TYPE** Li-ION 2150 mAh DISPLAY 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 Over 60,000 operations

**OPERATING AUTONOMY** 

WEIGHT

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

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 <10 mW (433.92 MHz); **POWER** <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. Max 32 devices per radio COEXISTING receiver; max 2000 devices in SYSTEMS the same reading area

# Accessories



Multi-battery charger



OM-3000



SBS-3000 and RBP-3000

Makes it possible to use the reader in handsfree 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.

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.

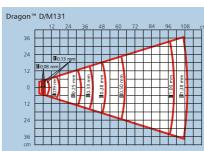
### PC-3000 Protective Case/Belt Holster

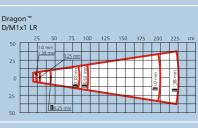
It permits the reader to be carried on a belt when not in use and protects it against drops.

### RBP-3000 Removable Battery Pack

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

# **Reading Diagrams**









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