



Industrial Hand-Held Laser Scanner



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	DRAGON™ D & DRAGON™ M
LIGHT SOURCE	VLD 630 - 680 nm
MAX SCAN RATE	35 ± 5 scans/sec
MAX RESOLUTION	0.076 mm (D/M131); 0.25 mm (D/M1x1 LR); 0.33 mm (D/M1x1 XLR)
PRINT CONTRAST RATIO (min)	15%
READING ANGLE	Skew: ±60; Pitch: 5 to 55, -5 to -55; Tilt: ±20
READING INDICATORS	Laser ON, 3 GL™ feedback, Beeper, Good transmission (Dragon™ M only)
BAR CODES	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	Reading special bar codes
Manual	S/W commands through the RS232 serial port
Automatic	Windows configuration program
Datalogic Aladdin™	Puzzle Solver™, data editing and data concatenation
ENHANCED FEATURES	Abs and polycarbonate, plus co-molded rubber
CASE MATERIAL	Immune to light exposure in offices/facilities, and direct exposure to sunlight
AMBIENT LIGHT CONDITIONS	90% non condensing
HUMIDITY	IP64
ENVIRONMENTAL PROTECTION	
CRADLE	OM-3000/OM-3010
POWER SUPPLY	External: 10 to 30 Vdc; Host : 5 Vdc ± 10%
POWER CONSUMPTION	External: max. 10 W, Host: max. 500 mA
READING INDICATORS	Battery charging (red), Charge completed (green), Power/Data (yellow)
INTERFACES	USB, RS232, Wedge, Wand and RS485
DIMENSIONS without antenna	240 x 108 x 95 mm (9.44 x 4.25 x 3.75 in)
CASE MATERIAL	ABS
WEIGHT	Approx. 380 g /13.4 oz
MODELS	DRAGON™D
POWER SUPPLY	4 to 30 Vdc
CONSUMPTION	420 mA @ 4 V; 310 mA @ 5 V; 62 mA @ 30 V
INTERFACES	USB, RS232, Wedge, Wand
OPERATING TEMPERATURE	-30 to 50 °C (-22 to 122 °F)
STORAGE TEMPERATURE	-30 to 70 °C (-22 to 158 °F)
DROP RESISTANCE	Withstands repeated drops from 2 m onto a concrete surface
WEIGHT	Approx. 295 g (10.4 oz)

MODELS	DRAGON™M
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
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

