



## General Description

Datalogic renews its range of industrial laser scanners introducing the **Dragon™** family: **Dragon™ Desk** and **Dragon™ Mobile**. Based on the same rugged and reliable mechanics of the well-established DLL6000 series, they have been completely renewed inside. Robustness and ergonomics, the main driver of our original project, remain unsurpassed: clearly audible beeper and bright "good read" LEDs for areas where noise levels are normally high; the aim mode, which helps point to the right code, has now been extended to the whole **Dragon™** family. Optical parts are completely suspended on shock absorbers and a careful choice of the body materials, such as the co-moulded rubber, protect the **Dragon™** from damage due to "falls".

New enhanced architecture, based on a M16 high-speed microprocessor, enables exceptional performance for promptness and reading speed of standard codes as well as the ability to read poorly printed and damaged codes. Puzzle Solver Technology™, a patent from Datalogic, adds further strength to the **Dragon™** powerful engine.

In all applications where mobility is a value, the new **Dragon™ M** represents the key to increase productivity and flexibility in the working area. **Dragon™ M** communicates through a low power, licence free radio in the 433 Mhz band (910 Mhz for USA version) and allows bi-directional communication between the base station and the host. **Dragon™ M** also includes a display and a 3 push-button keypad. Thanks to these features, the operator can receive information from the host, actively interact with the central system and visualise the code read. The cordless system offers scalable solutions to solve simple applications and complex projects.

## Features

### Dragon™ Desk

- > 2 meter drop resistance
- > 3 optics available
- > Man/machine interface: high tone beeper and strong illuminating LEDs

### Dragon™ Mobile

- > Several models available:
  - With or without display
  - High Performance or Long Range optics system
  - 433MHz or 910MHz radio systems
- > Seamless roaming
- > Point-to-Point & Multipoint transmission
- > 100% compatible with STAR-System™

## Applications

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

Specifications

MODELS

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

PROGRAMMING METHOD

Manual  
Automatic  
Sm@rtSet™  
INTERFACES  
ENHANCED  
FEATURES  
CASE MATERIAL  
AMBIENT LIGHT CONDITIONS  
HUMIDITY  
ENVIRONMENTAL PROTECTION

CRADLE

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

MODELS

POWER SUPPLY  
CONSUMPTION  
OPERATING TEMPERATURE  
STORAGE TEMPERATURE  
DROP RESISTANCE  
WEIGHT

DRAGON™ D & DRAGON™ M

VLD 630 - 680 nm (depending on the model)  
35 +/- 5 scans/sec  
0.08 mm: D101; 0.06 mm: D101: HD; 0.25 mm: D101 LR;  
0.12 mm: M 101; 0.25 mm: M101 LR  
15% D101, 40% D101 HD, D101 LR 15% M101 40% M101 LR  
Skew: +/-60; Pitch: 5 to 55, -5 to -55; Tilt: +/-20  
Laser ON, Good Read, 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, TELEPEN, PLESSEY, Code 49, Code MSI,  
Code Delta IBM, Code 11, CODABLOCK, Code 16K, ISBN/ISSN, ISBT 128

Reading special bar codes

S/W commands through the RS232 serial port  
Windows configuration program  
RS232, Wedge, Pen emulation  
Puzzle Solver™, data editing  
and data concatenation  
ABS and polycarbonate, plus co-moulded rubber  
Immune to light exposure in offices/facilities, and direct exposure to sunlight  
90% non condensing  
Immune to water and dust

OM DRAGON™

9 to 28 Vdc  
max. 8 W  
Battery charging (red), Charge completed (green), Power/Data (yellow)  
185 x 115 x 104 mm (7.28 X 4.52 X 4.09 in)  
ABS  
Approx. 600 g (21,1 oz)

DRAGON™ D

4 to 20 Vdc  
250 mA @ 4 V; 170 mA @ 5 V; 40 mA @ 20 V  
-10 to 50 °C (14 to 122 °F)  
-20 to 50 °C (-4 to 140 °F)  
Withstands repeated drops from 2 m onto a concrete surface  
Approx. 270 g (9,53 oz)

MODELS

BATTERY TYPE  
  
DISPLAY  
  
KEYPAD  
  
RECHARGE TIME  
OPERATING  
AUTONOMY

OPERATING TEMP.  
STORAGE TEMP.  
DROP RESISTANCE

WEIGHT

RADIO SPECIFICATIONS

RADIO FREQUENCY  
BIT RATE

EFFECTIVE RADIATED  
POWER  
RADIO RANGE

MAX NR.  
COEXISTING  
SYSTEMS

DRAGON™ M

NiMh (3480 mWh) (All AA  
NiCD and Alkaline batteries  
can also be used)  
Graphic with backlight,  
32 x 96 dots, and font  
dimension can be selected by  
the user (with default selection  
4 lines x 16 columns)  
(M101/D model only)  
Membrane keypad with 3 keys  
(M101/D model only)  
2 hours  
Over 60,000 with NiMh  
batteries  
(Test mode: 100 reads/min)  
-10 to 40 °C (14 to 122 °F)  
-20 to 50 C (-4 to 122 F)  
Withstands repeated drops  
from 1,8 m (M101),  
1,5 m (M101/D) onto a  
concrete surface  
Approx. 340 g (12 oz)

Accessories



STD1000



HLS1000



Protective case



OM - Dragon™

Stand

Robust and compact, the stand makes it possible to use the reader in a hand-free mode.

Desk/Wall Holder

It is designed to offer a robust and handy way to attach the readers to desktops, work-tables, forklift trucks, and other types of supports.

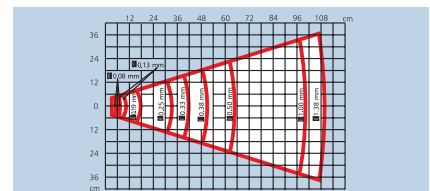
Protective case - Belt coupler

This permits the reader to be carried on a belt, when not in use, and protect it against drops.

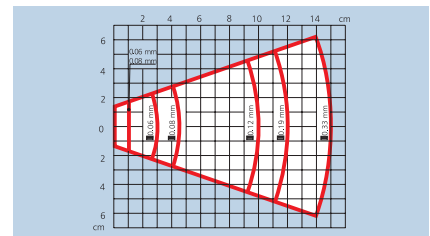
OM Dragon™

The cradle functions both as a radio base station and a recharge base, providing RS232 and RS485 connection.

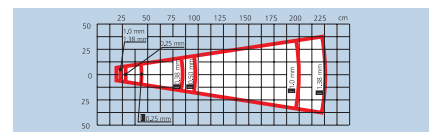
Reading Diagrams



Dragon™ D/M101



Dragon™ D101 High Density model



Dragon™ D/M101 Long Range model

