



Hand-Held Readers

General Description

The Dragon™ family offers ergonomics, robustness and high reliability for bar code reading in industrial environments. The Dragon's™ features include a clearly audible beeper, bright "good read" LEDs for areas where noise levels are normally high, and aim mode, to help point to the right code. Optical parts are completely suspended on shock absorbers and a careful choice of the body materials, such as co-molded rubber, protect the Dragon™ from damage due to falls.

The enhanced architecture, based on a M16 high-speed microprocessor, provides the Dragon™ with a much faster 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™'s 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, license-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 visualize the code read. The cordless system offers scalable solutions to solve simple applications and complex projects.

The new Dragon™ D151 XLR offers superior performance from 10 cm (EAN) to 10 m (100 mil reflective codes) and provides full connectivity to the Rhino™ forklift terminal (via RS232).

All these features make the Dragon™ family a complete solution for any application in industrial environments.

Features

Dragon™ Desk

- > 2 meter drop resistance
- > 4 optics available
- > Man/machine interface: high tone beeper and strong illuminating LEDs
- > 10 cm to 10 m reading range

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
- > Forklifts

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; 0.33 mm: D151 XLR
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/U.P.C., 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; RS232 (Dragon™ D151 XLR)
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
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); -30 to 50 °C (Dragon™ D151 XLR)
-20 to 50 °C (-4 to 122 °F)
Withstands repeated drops from 2 m onto a concrete surface
Approx. 270 g (9.53 oz)

MODELS

BATTERY TYPE

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)

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

Accessories



STD1000



Desk/Wall Holder



Universal Holster



OM - Dragon™/C-Dragon™



Protective case

Stand

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

OM Dragon™/C-Dragon™

The OM cradle functions both as a radio base station and a recharge base, providing RS232 and RS485 connection. The C-Dragon™ provides a low cost alternative in a single recharge base.

Desk/Wall Holder

This item provides ease of use and flexibility in many environments where work space is limited.

Universal Holster

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.

Reading Diagrams

