

DLL5510

Hand-Held Laser Scanner



**PUZZLE
SOLVER™**

SmartSet



General Description

Design, ergonomics and ease of use, together with outstanding decoding performance and state-of-the-art software configuration capability, make the DLL5510-M Skylight™ a cost-effective solution for any application.

The wide semi-transparent insert in the cover introduces an innovative concept in the design of the gun. The traditional laser-on and good read LED has been replaced with a complete lit cover easily visible from any angle and in all operative conditions. The DLL5510-M is based on new enhanced architecture and takes advantage of Datalogic's success and experience in multistandard interfacing, combining in the same reader RS232, Wedge and Wand emulation interfaces.

The new powerful architecture of the DLL5510-M allows implementation of the most advanced features in terms of decoding, thanks to PUZZLE SOLVER™ Technology allowing partial scans to be put together to form a complete bar code image, and in terms of Data Editing, Data Formatting and Data Concatenation, where all the needs of collected data manipulation are satisfied before it is delivered to the host system. Some useful new options have also been added for Wedge interfacing, such as the keyboard set-up. Furthermore, the DLL5510-M is equipped with a complete set of bar code symbologies, including CODABLOCK and CODE 16K stacked codes, as well as Telepen, Plessey and all the other most popular linear bar codes.

'Field update' capability provided by the DLL5510-M Skylight™ saves your investment: the laser gun firmware can be updated in a few seconds maintaining an always "up-to-date" device.

Dedicated models are also available: the DLL5510-I, which directly targets the IBM4683/84 - IBM4693/94 POS world, and the DLL5510-OI, meeting the need of undecoded reader applications. The DLL5510-I sits alongside the other Datalogic readers for IBM POS, sharing the same standard architecture and software features.

Features

- > ENHANCED MULTISTANDARD ARCHITECTURE
- > **PUZZLE SOLVER™** technology
- > Data editing and formatting
- > Field update
- > Reading aggressiveness
- > Gun shape
- > Ergonomy for great user comfort
- > Hands free stand
- > OLE for POS compliance

Applications

- > Data Collection in Retail and Office Automation environments
 - EPOS (Electronic Point of Sale)
 - Libraries
 - Banks
 - Insurance Companies
- > Data Collection in Light Industrial environments
 - Work in Progress
 - Production control

Specifications

ELECTRICAL CHARACTERISTICS

POWER SUPPLY	5 VDC $\pm 5\%$ (DLL5510 M/I) - 4.75-14 V (DLL5510-01)
CONSUMPTION	180 mA max. (DLL5510-01) 260 mA max. (DLL5510-M/I)

MECHANICAL CHARACTERISTICS

WEIGHT (approx.)	200 g
CASE MATERIAL	ABS and Polycarbonate
CABLE LENGTH	2 m (6.1 ft.) linear or coiled

PERFORMANCE

LIGHT SOURCE	Laser diode at 650 nm
MAX. RESOLUTION	0.12 mm (5 mils)
SCAN RATE	35 (± 5) scans/sec.
MIN. PRINT CONTRAST RATIO	PCS = 15%
READING FIELD	See diagram
READING ANGLE	Skew: $\pm 60^\circ$, Pitch: 5 to 55° , -5 to -55° , Tilt $\pm 20^\circ$
READING INDICATORS	Laser on and Good Read light, adjustable tone "beeper"
READABLE BAR CODES	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

DLL5510-M only

PROGRAMMING METHOD

Manual

Automatic (with RS232)

DL Sm@rtSet™

ENHANCED FEATURES

Reading special bar codes
S/W commands through the serial port
Windows configuration program
Puzzle Solver™, data editing and data concatenation (DLL5510-M only)

INTERFACES

DLL5510-M

RS232, pen emulation, Wedge (PC IBM AT/PS2, IBM SureOne, Notebook, IBM terminals: 31xx, 32xx, 34xx, 37xx, 3153, WYSE VDT 60/120/160/185/370, DEC VDT VT200/220/240/300/320/340/420, APPLE ADB BUS) ALT mode Wedge option for PC/AT and Notebook, keyboard set-up
RS232, IBM 468x and 469x
TTL/LASER

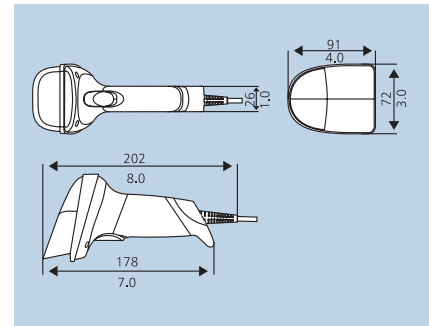
LASER CLASSIFICATION

Class 2 (IEC 825-1 and CDRH)

ENVIRONMENT

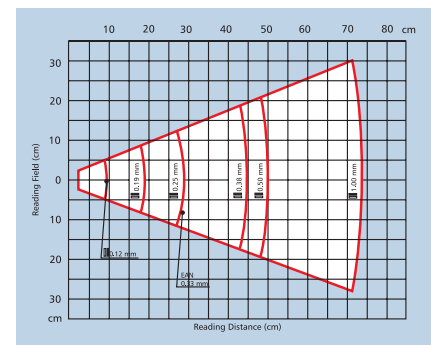
AMBIENT LIGHT CONDITIONS	Immune to light exposure in offices and facilities, and direct exposure to sunlight
OPERATING TEMPERATURE	0 to 40 °C
STORAGE TEMPERATURE	-20 to 60 °C
HUMIDITY	90% non condensing
DROP RESISTANCE	IEC 68-2-32 Test ED; withstands repeated drops from 1.5 m onto a concrete surface
ENVIRONMENTAL PROTECTION	IP30

Dimensions



Pen Emulation

Reading Diagram



RS232

