




# DLL5010-M

## *Hand-Held Laser Scanner*

### Features

- MULTISTANDARD ARCHITECTURE
- Ergonomic and lightweight design
- General Purpose, Wide Angle and Very High Density models
- Advanced optic technology
- User-friendly set up
- Low power consumption
- Excellent reading performance
- OLE for POS compliance 

### Applications

- Data Collection in commercial and office automation environments
  - EPOS
  - Libraries
  - Pharmacies
  - Banks
  - Insurance Companies
  - Rental Companies
- Data Collection in light industrial environments
  - Work-in-Progress
  - Production Control

### General Description

The **DLL5010-M SHARK™** presents a leap forward in laser scanning technology. Continuing on the successful path traced by the DL910 in regards to its unique design and ergonomics, Datalogic offers a laser reader studied to address specifically RETAIL, OFFICE AUTOMATION and light LOGISTICS applications.

Based on observations and extensive biomechanical engineering, the **DLL5010-M** is designed to be easy-to-use, comfortable to hold, and intuitive to operate in both standing or sitting situations. Its design is pleasant to eye and light in hand, yet, at the same time, very robust. It can resist repeated drops onto a concrete surface from up to 1.5 m.

A choice from three different scanning engines guarantees the best possible solution to a specific application. The General Purpose (G.P.) model is designed to be a versatile solution for the retail and office automation sectors. The Wide Angle (W.A.) model has been designed specifically for retail. It has impressively consistent performance from contact through to 20 cm on 100% magnification EAN/UPC codes. The Very High Density (V.H.D.) model is able to read codes down to a narrow bar width of only 0.06 mm (2.5 mils)! It is therefore ideal for use in the electronics and pharmaceutical industries. An integrated multistandard decoder is standard in all models and provides reliable reading of damaged and even marginal specification codes. Plus, the three interface possibilities (Pen Emulation, RS232 and Wedge) and plug-in cables allow integration into any system.

Furthermore, the DLL5010-M is available without decoder (DLL5010-01) and with TTL laser output, which provides a cost-effective solution when the **SHARK™** needs to be connected to an external decoder.

# Models and Accessories

PRODUCT	DESCRIPTION	COILED CABLE	STRAIGHT CABLE	ORDER NO.
DLL5010-01	General purpose scanning engine with trigger, TTL/Laser output (undecoded)			902101040
DLL5010-M1	General purpose scanning engine with trigger, multistandard decoder			902101000
DLL5017-M1	Wide Angle scanning engine with trigger, multistandard decoder			902101050
DLL5017-M0	Wide Angle scanning engine without trigger, multistandard decoder			902101030
DLL5012-M1	Very High Density scanning engine with trigger, multistandard decoder			902101010
<b>ACCESSORIES</b>				
CAB340	RS232 cable, 9-pin female connector (DCE config.)	•		90A051100
CAB341*	RS232 cable, 25-pin female connector (DCE config.)	•		90A051110
CAB342**	IBM PS/2 wedge cable, minidin connector	•		90A051120
CAB344	IBM AT/XT wedge cable, din connector	•		90A051160
CAB343	Pen emulation cable, 9-pin male connector	•		90A051130
CAB339	TTL/Laser cable, 9-pin male connector		•	90A051090
CAB351*	RS232 cable, 9-pin female connector (DCE config.)		•	90A051240
CAB337	RS232 cable, 9-pin female connector (DCE config.)		•	90A051070
CAB333*	RS232 cable, 25-pin female connector (DCE config.)		•	90A051080
CAB329*	RS232 cable, 25-pin male connector (DTE config.)		•	90A051000
CAB330	IBM PS/2 wedge cable, minidin connector		•	90A051010
CAB331	IBM AT/XT wedge cable, din connector		•	90A051020
CAB334	IBM vdt. 31xx, 32xx, 37xx wedge cable, din 240° connector		•	90A051040
CAB335	IBM vdt. 3151, 34xx wedge cable, 8-pin telephone connector		•	90A051050
CAB336	IBM vdt. 3153 wedge cable, 6-pin telephone connector		•	90A051060
CAB332	Pen emulation cable, 9-pin male connector		•	90A051030
ADP-102	5P din T-pass adapter			90ACC1030
ADP-103	6P minidin T-Pass adapter			90ACC1040
Operator's Manual	Software manual for Hand-Held Devices			90ACC1710
SPC5010	Desk/Wall holder for DLL5010			90ACC1380
STD5010	Retail stand for DLL5010			90ACC1360
PG5 (110 Vac)	Power supply unit			B9751038
PG5 (220 Vac)	Power supply unit			B9751037

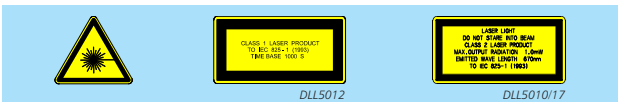
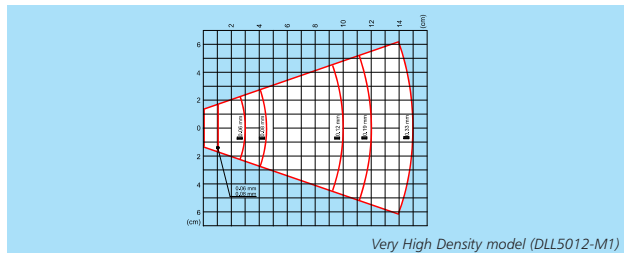
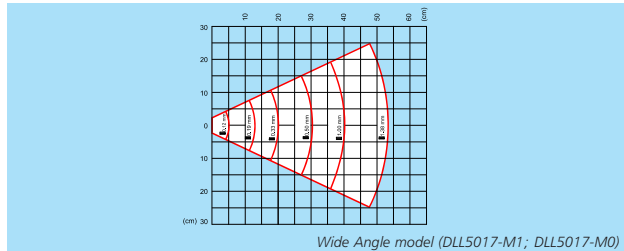
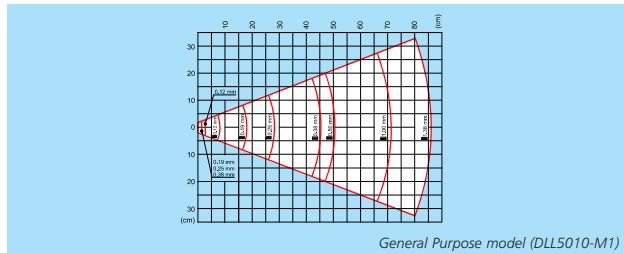
\*Power supply available on pin 9 or 25 of the connector.

\*\*CAB342 SH1739 (cod. 90A051150) also available for Notebook and IBM SureOne cable, minidin connector

## Specifications

POWER SUPPLY	4.75 - 14 VDC (DLL5010-01); 5 VDC $\pm 10\%$ (DLL50XX-MX)
CONSUMPTION	100 mA @ 5 VDC, 140 mA max.
LIGHT SOURCE	Laser diode at 670 nm, 0.8 mW (G.P.); 0.59 mW (W.A.); 0.39 mW (V.H.D.)
MAX. RESOLUTION	0.12 mm, 5 mils (G.P., W.A.); 0.06 mm, 2.5 mils (V.H.D.)
SCAN RATE	36 ( $\pm 3$ ) scans/sec.
MIN. PRINT CONTRAST RATIO	PCS = 15%
READING FIELD	See diagrams
READING ANGLE	
Skew	$\pm 60^\circ$
Pitch	5 to 55°, -5 to -55°
Tilt	$\pm 20^\circ$
READING INDICATORS	LED and adjustable tone "beeper"
READABLE BAR CODES	2/5 family, Code 39 (plus Code 32, Cip 39), EAN/U.P.C., Code 128, EAN 128, Code 93, CODABAR
PROGRAMMING METHOD	
Manual	Reading special bar codes
Automatic (with RS232)	S/W commands through the RS232 serial port
WinSET	Windows™ configuration program
INTERFACES	RS232, Wedge (PC IBM AT/PS2, IBM SureOne, IBM terminals: 31xx, 32xx, 34xx, 37xx, 3153), pen emulation
DIMENSIONS	225 x 65.5 x 63 mm (8.86 x 2.58 x 2.48 in.)
WEIGHT (approx.)	180 g (6.35 oz.)
CASE MATERIAL	ABS
CABLE LENGTH	2 m (6.1 ft.) linear or coiled
LASER CLASSIFICATION	Class 2 (IEC 825-1 and CDRH) G.P. and W.A. Class 1 (IEC 825-1 and CDRH) V.H.D.
AMBIENT LIGHT CONDITIONS	Immune to light exposure in offices and facilities, and direct exposure to sunlight
OPERATING TEMPERATURE	0 to 40 °C (32 to 104 °F)
STORAGE TEMPERATURE	-20 to 60 °C (-4 to 140 °F)
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

## Reading Diagrams



# DATA LOGIC DL

Bar Code & More

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