



DLL6010-M

Industrial Hand-Held Laser Scanner

FEATURES

- MULTISTANDARD ARCHITECTURE
- 4 models available
- 2 metre drop resistance
- High resistance cables and connections
- Trigger resists more than 1 million hits
- Man/machine interface: high tone beeper and strong illuminating LEDs
- High power supply range
- Working temperature: -10 °C to 50 °C

APPLICATIONS

- Industrial data collection
- Inventory control
- Quality control
- Automated warehouses
- Work-in-progress management
- Delivery control
- Portable terminal data collection

GENERAL DESCRIPTION

Datalogic's proven experience and leadership in supplying bar code reading solutions to the manufacturing sector are further strengthened with the **DLL6010-M** industrial hand-held laser gun.

Our market research clearly demonstrated the need for a truly industrialised laser gun that is able to work reliably and consistently in harsh operating environments. Responding to this need, Datalogic's design team has developed a tough yet ergonomic product with optimum manageability featuring: clearly audible dual beepers and bright 'good read' LEDs for areas where noise levels are normally high; optical parts completely suspended on shock absorbers to prevent misalignment after repeated 'knocks'; and careful choice of body materials, such as a composite of ABS, polycarbonate and co-moulded rubber, which combine to protect the **DLL6010-M** from damage due to 'falls' and make the unit extremely robust.

All of these features, together with a particularly comfortable grip ideal for continuous use, excellent reading performance and interfacing flexibility, make the **DLL6010-M** the ideal choice for all industrial applications.

Four optical versions of the **DLL6010-M** are available. All include a multi-standard decoder (RS232, Wedge, and Pen emulation) and respond to specific application requirements. The GENERAL PURPOSE model (DLL6010-M) is suitable for the most common applications. The LONG RANGE model (DLL6015-M) reads codes on shelves or objects up to a distance of 2 metres away. For codes with resolutions up to 0.06 mm, the VERY HIGH DENSITY model (DLL6012-M) is available. Finally, the HIGH VISIBILITY (DLL6019-M) model incorporates a high visibility laser beam which makes the aiming and capturing of data easier in external environments or where the level of ambient light is very high.



MODELS AND ACCESSORIES

MODEL	DESCRIPTION	ORDER NO.
DLL6010-M1	General purpose laser gun, with multistandard decoder and trigger 4 - 20 VDC	902151010
DLL6015-M1	Long Range laser gun, with Mult. Dec., with trigger 4-20 VDC	902151020
DLL6012-M1	Very High Density laser gun, with Mult. Dec., with trigger 4-20 VDC	902151030
DLL6019-M1	High Visibility laser gun, with Mult. Dec., with trigger 4-20 VDC	902151040
ACCESSORIES		
CAB362	RS232 cable, 9-pin female connector (DCE config.)	90A051330
CAB363*	RS232 cable, 25-pin female connector (DCE config.)	90A051340
CAB364*	RS232 cable, 25-pin male connector (DTE config.)	90A051350
CAB365	IBM PS/2 wedge cable, minidin connector	90A051360
CAB366	IBM AT/XT wedge cable, din connector	90A051370
CAB348	Pen emulation cable, 9-pin male connector	90A051210
CAB350*	RS232 cable, 9-pin female connector (DCE config.)	90A051230
CAB327	RS232 cable, 9-pin female connector (DCE config.)	90G001070
CAB328*	RS232 cable, 25-pin female connector cable (DCE config.)	90G001080
CAB320*	RS232 cable, 25-pin male connector (DTE config.)	90G001000
CAB321**	IBM PS/2 wedge cable, minidin connector	90G001010
CAB322	IBM AT/XT wedge cable, din connector	90G001020
CAB324	IBM vdt. 31xx, 32xx, 37xx wedge cable, din 240° connector	90G001040
CAB325	IBM vdt. 3151, 34xx wedge cable, 8-pin telephone connector	90G001050
CAB326	IBM vdt. 3153 wedge cable, 6-pin telephone connector	90G001060
CAB323	Pen emulation cable, 9-pin male connector	90G001030
Operator's Manual	Software manual for Hand-Held Devices	90ACC1710
SPC6010	Desk/Wall Mount stand	90ACC1470
PB6010	Nylon protecting boot	90ACC1480
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.

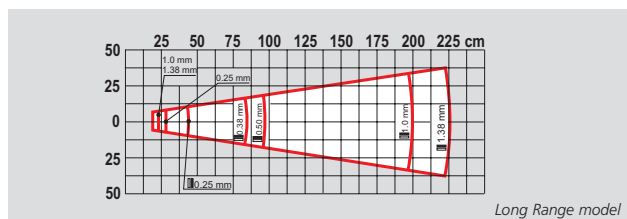
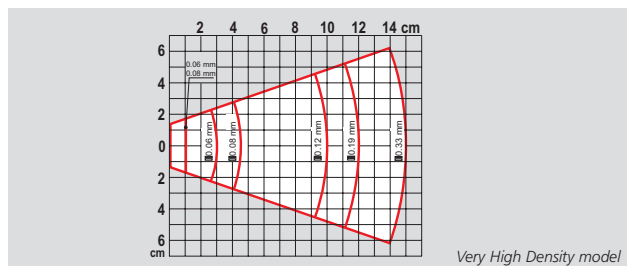
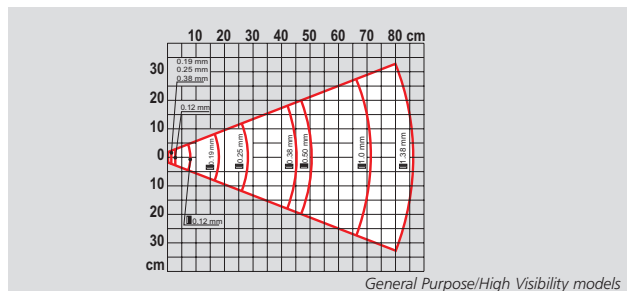
** Also available CAB321 5H1738 (Cod. 90A051140) for Notebook and IBM SureOne cable, minidin connector.

SPECIFICATIONS

POWER SUPPLY	4 to 20 VDC
CONSUMPTION	250 mA @ 4 V; 170 mA @ 5 V; 40 mA @ 20 V
LIGHT SOURCE	670 nm (G.P.); 640 nm (V.H.D.); 650 nm (L.R., H.V.)
MAX. RESOLUTION	0.12 mm (5 mils) G.P., H.V. 0.06 mm (2.5 mils) V.H.D. 0.25 mm (10 mils) L.R.
SCAN RATE	36 ± 3 scans/sec
PRINT CONTRAST RATIO (min)	15% (G.P., V.H.D.); 40% (H.V., L.R.)
READING FIELD	See diagrams
DEPTH OF FIELD	See diagrams
READING DISTANCE	See diagrams
SENSOR	VLD
READING INDICATORS	Laser On, Good Read, Beeper
READING ANGLE	
Skew	±60°
Pitch	5 to 55°, -5 to -55°
Tilt	±20°
BAR CODES	2/5 family, Code 39 (plus Code 32, Cij 93), Code 128, Codabar, Code 93, EAN128, EAN/UPC
PROGRAMMING METHOD	
Manual	Reading special bar codes
Automatic (with RS232)	S/W commands through the serial port
WinSetPlus	Windows configuration program
INTERFACES	RS232, Wedge (PC IBM AT/PS2, IBM terminals: 31xx, 32xx, 34xx, 37xx, 3153), pen emulation
DIMENSIONS (without cable)	203.0 x 117.2 x 68.9 mm (7.99 x 4.61 x 2.71 in)
WEIGHT (without cable)	Approx. 270 g (9.54 oz)
CASE MATERIAL	Blend of ABS and polycarbonate, plus co-moulded rubber
CABLE LENGTH	2 m (6.6 ft)
LASER CLASSIFICATION	Class 2 (IEC 825-1 and CDRH) G.P., L.R. and H.V. 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	-10 to 50 °C (-14 to 122 °F)
STORAGE TEMPERATURE	-20 to 60 °C (-4 to 140 °F)
HUMIDITY	90% non condensing
DROP RESISTANCE	Withstands repeated drops from 2 m onto a concrete surface
ENVIRONMENTAL PROTECTION	Sealed against dust and rain



READING DIAGRAMS



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We reserve the right to make modifications and improvements

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