



## PRELIMINARY

# Dragon™

## Industrial Hand-Held Laser Scanner

### FEATURES

- ENHANCED MULTISTANDARD ARCHITECTURE
- 3 optics 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

- Shop Floor:
  - WIP
  - Tracking
  - Quality Control
- Warehousing

### GENERAL DESCRIPTION

Datalogic renews its range of industrial laser scanner introducing the **Dragon™** Desk family. Based on the same rugged and reliable mechanics of the well-established DLL6010-M series, it has been completely renewed inside. Robustness and ergonomics, that have been 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; optical parts completely suspended on shock absorbers to prevent mis-alignment after repeated "knocks"; and careful choice of body materials, such as the co-moulded rubber, protect the **Dragon™** from damage due to "falls".

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

Three optical versions of the **Dragon™** are available. All include a multi-standard decoder (RS232, Wedge, and Pen emulation) and respond to specific application requirements. The Standard model (**Dragon™** D101) is suitable for the most common applications. The LONG RANGE model (**Dragon™** D101 LR) reads codes up to a distance of 2 metres away. For codes with resolutions up to 0.06 mm, the HIGH DENSITY model (**Dragon™** D101 HD) is available. The 650 nm laser beam is more visible and bright and makes the aiming and capturing of data easier wherever the level of ambient light is very high.

The Advanced Formatting, allowing the editing and the manipulation of the decoded code before its transmission to the host, permits the connection of the **Dragon™** to any existing application software: the **Dragon™** can be shaped on the application virtually eliminating any need for software modification.



# MODELS AND ACCESSORIES

MODEL	DESCRIPTION	COILED CABLE	STRAIGHT CABLE	ORDER NO.
Dragon™ D101	General purpose laser gun, with multistandard decoder and trigger 4 - 20 VDC	.	.	902151230
Dragon™ D101 HD	High Density laser gun, with Mult. Dec., with trigger 4-20 VDC	.	.	902151240
Dragon™ D101 LR	Long Range laser gun, with Mult. Dec., with trigger 4-20 VDC	.	.	902151250
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
CAB389*	RS232 cable, 9-pin male connector, beetle POS	.	.	90A051710
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
CAB373	WYSE VDT 60/120/160/185/370 wedge cable, 4-pin telephone connector)	.	.	90A051470
CAB374	APPLE (ADB-BUS) wedge cable, minidin connector	.	.	90A051480
CAB375	DEC VDT VT200/220/240/300/320/340/420 wedge cable, 4-pin telephone connector	.	.	90A051490
ADP-102	5P din T-pass adapter	.	.	90ACC1030
ADP-103	6P minidin T-pass adapter	.	.	90ACC1040
ADP-200	USB adapter	.	.	90ACC1610
Operator's Manual	Software manual for Hand-Held Devices	.	.	90ACC1800
SPC6010	Desk/wall holder	.	.	90ACC1470
SPC-DRAGON	Desk/wall holder	.	.	90ACC1790
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 SH1738 (Cod. 90A051140) for Notebook and IBM SureOne cable, minidin connector.

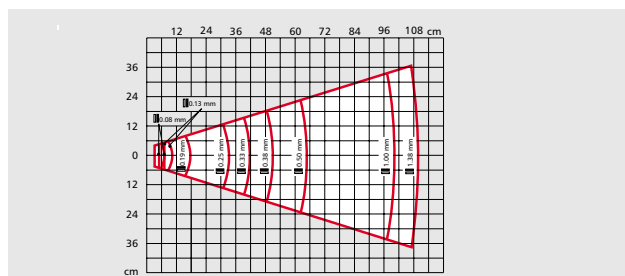
## SPECIFICATIONS

POWER SUPPLY	4 to 20 VDC
CONSUMPTION	250 mA @ 4 V; 170 mA @ 5 V; 40 mA @ 20 V
LIGHT SOURCE	650 nm (D101, D101 L.R.); 640 nm (D101 H.D.)
MAX. RESOLUTION	0.08 mm (3 mils) D101 0.06 mm (2.5 mils) D101 H.D. 0.25 mm (10 mils) D101 L.R.
SCAN RATE	36 ± 3 scans/sec
PRINT CONTRAST RATIO (min)	15% (D101); 40% (D101 H.D., D101 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 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
PROGRAMMING METHOD	Manual Automatic (with RS232) WinSetPlus
ENHANCED FEATURES	Puzzle Solver™, data editing and data concatenation
INTERFACES	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
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)
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

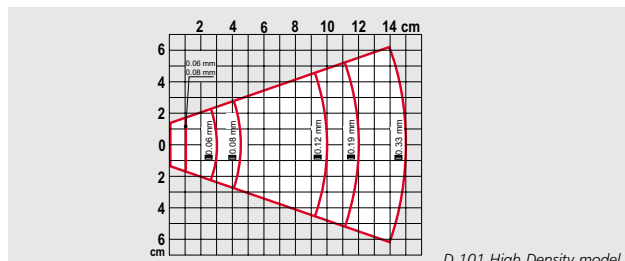


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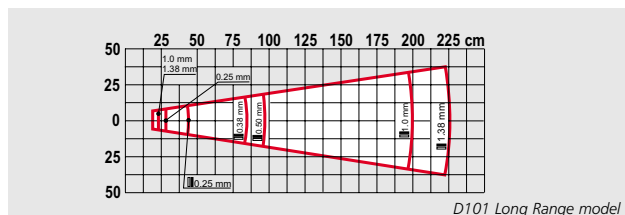
## READING DIAGRAMS



D 101 model



D 101 High Density model



D101 Long Range model

weitere Informationen erhalten Sie bei: [www.flexicom.de](http://www.flexicom.de)



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