

Ex-Dragon-M101

The Ex-Dragon-M101 is an intrinsically safe, cordless, handheld barcode reader for online radio transmission and battery operation. It can be operated remotely without a radio license up to 50 m from the base station EXOM/OM. The Ex-Dragon-M101 is design for the use in hazardous area category II 2G and II 3D (zones 1 and 22).

Ex-classification in accordance with ATEX 95, directive 94/9/EG:	
Category:	II 2G, II 3D
Type of protection:	EEx ib IIC T4 EEx ib IIB T4 Dust-Ex: II 3D X T 80 °C IP 53
Approval:	BVS 03 ATEX E 282
Data transfer (wireless transmission):	
Connection to PC	Via EXOM and ENT-DC via COM-Port (DSUB 9 Pin), serial
Connection to VisuNet RM/PC	via EXOM at 20mA interface
Connection to PCEX	via EXOM at 20mA interface
Connection to iPC-EX	via EXOM at 20mA interface
Connection to TERMEX	via EXOM at 5mA interface
Barcodes:	
	Code EAN8, EAN13, UPC Code EAN128 Code Interleaved 2/5 Code 39, Code 128 Code 93 Codabar Code MSI Code Plessey etc.
Electrical Features:	
Battery Type:	2 NiMH batteries
Time of recharge NiMH:	2 hours
Operating autonomy: (typ. continuous reading)	30.000 readings - NiMH
Display: (Only available with some models)	LCD 4 lines x 16 chars Programmable font and brightness
Indicators:	Laser On / battery low LED (red) Good Read LED (green) Programmable beeper
keyboard:	3 keys "←": left-arrow-key "→": right-arrow-key "=" Enter
Laser Features:	
Power (typical) in mW	0,9 mW
Light Source:	VLD 630 - 680 nm
Scanning Rate:	35 ± 5 scans/s
Reading field width:	see reading diagram
Max. resolution :	0,12 mm, 5 mils
PCS minimum:	15% (Datalogic Test Chart)
Scan angle:	42°
Laser Safety Class:	2 (IEC 825-1 / CDRH)

Ambient conditions:	
Working Temperature:	0 °C to + 40 °C
Storage Temperature:	-20 °C to + 50 °C
Humidity:	90% without condensation
Drop resistance (on concrete):	1,5 m
Protection:	sealed against rain and dust
Mechanical Features:	
Weight (incl. battery):	approx. 440 g.
Degree of Protection:	IP 53
Dimensions:	203 x 117 x 69 mm
Material:	ABS and Polycarbonate molded with rubber
Accessories:	
Battery charger LD-Dragon	Battery charger for use in non hazardous areas, IP40, 10-28V DC, 8W
Adaptor PG220/DVE-1212A	adaptor for battery charger for use in non hazardous areas, 230V AC, IP40