



DL65/80

Hand-Held CCD Readers

Features

- 65 and 82 mm reading windows
- Exceptional PCS performance
- Choice of 7 interface types
- Fully user programmable
- Lightweight
- Excellent depth of field
- Slim line high impact ABS housing
- Low power consumption

Applications

- Data Collection in Commercial environments:
 - EPOS
 - Libraries
 - Pharmacies
 - Banks
 - Insurance Companies
 - Rental Companies
- Data Collection in Industrial environments:
 - Work in Progress
 - Production Control
 - Goods in/out

General Description

The **DL65/80** series combines the latest advances in "CCD" technology and optical components to provide an exceptionally high quality hand-held bar code reader with optimum performance.

The **DL65/80** reliably scans both high and low density codes, even if they are of poor quality and applied to curved or uneven surfaces.

The automatic gain control employed within **DL65/80** compensates for the varying print quality of codes. This allows reading of codes produced from carbon copy paper and codes with contrast levels as low as 0.20 PCS.

Besides standard interfaces such as RS232, OCIA, IBM4683/4, the **DL65/80** series also includes a Wedge interface which may be connected to over 160 different types of PCs and Terminals. The wedge interface uses plug-in cables to match the computer. Therefore, if the computer is changed, only the plug-in cables need to be substituted, not the entire CCD.

All devices are supplied with a bar code configuration manual. Should the factory default settings not match the particular application, the user can customise the **DL65/80** to read and transmit exactly what is required using the configuration manual. These new settings may be saved in non-volatile memory, and the **DL65/80** automatically configures itself to these during every "power on" self check phase.

The two readers differ only in reading aperture. The **DL65** has a 65 mm reading window, while it is 82 mm on the **DL80**. This larger aperture allows the **DL80** to go one step beyond the **DL65** in that not only is it appropriate for retail environments, it is also perfect for other application areas where code length has previously dictated that more expensive laser technology must be employed.

Models and Accessories

TYPE	Laser gun emulation	EIA RS232	Pen emulation	OCIA	OCR PORT 5B	IBM 4683/4	Wedge	PUSH BUTTON	ORDER NUMBER (DL65)	ORDER NUMBER (DL80)
DL65/80-00	•								B9711800	B9711250
DL65/80-01	•							•	B9711801	B9711251
DL65/80-10		•							B9711802	B9711260
DL65/80-11		•						•	B9711803	B9711261
DL65/80-20			•						B9711804	B9711262
DL65/80-21			•					•	B9711805	B9711263
DL65/80-30				•					B9711806	B9711252
DL65/80-31				•				•	B9711807	B9711253
DL65/80-40					•				B9711808	B9711254
DL65/80-41					•			•	B9711809	B9711255
DL65/80-50						•			B9711810	B9711256
DL65/80-51						•		•	B9711811	B9711257
DL65/80-60							•		B9711812	B9711258
DL65/80-61							•	•	B9711813	B9711259

ACCESSORIES

SPC-65	Desk/Wall plastic holder	90J011000
CAB204	DL65/80-1x copy cable	BF08000204
CAB205	DL65/80-2x copy cable	BF08000205
CAB41	DL65/80-3x copy cable	BF08000041
CAB240	DL65/80-4x copy cable	BF08000240
CAB284	DL65/80-6x copy cable	BF08000284
CAB261	DL65/80-1x 25 to 9 pin connector	BF08000261
PG5 (110 Vac)	Power supply unit	B9751038
PG5 (220 Vac)	Power supply unit	B9751037

Specifications

POWER SUPPLY

DL65/80-0x/1x/2x/3x/4x/5x	+5 Vdc ±5%
DL65/80-6x	Directly from terminal/PC or by using PG5 power supply if terminal/PC is unable to provide the 95 mA needed

POWER CONSUMPTION

(typical values)	Operating mode	Off mode	Wait mode
DL65-00/01 (DL80-00/01)	65 mA (70 mA)		1 µA
DL65-10/20/30	80 mA	60 mA	
DL80-10/20	85 mA	60 mA	
DL80-30	80 mA	60 mA	
DL65-11 (DL80-11)	80 mA	20 mA (15 mA)	
DL65-21 (DL80-21)	80 mA (85 mA)	10 mA	3 µA
DL65-31 (DL80-31)	80 mA (85 mA)	15 mA	
DL65-40 (DL80-40)	110 mA (115 mA)	90 mA	
DL65-41 (DL80-41)	110 mA (115 mA)	45 mA	
DL65-50 (DL80-50)	120 mA (125 mA)	100 mA	
DL65-51 (DL80-51)	120 mA (125 mA)	60 mA	
DL65-60/61 (DL80-60/61)	90 mA (95 mA)	25 mA	

SENSOR

Linear CCD array, 2048 pixels

LIGHT SOURCE

Visible red LED (660 nm)

MAX. RESOLUTION

6 mils (0.15 mm)

SCAN RATE

60 scans/sec.

PRINT CONTRAST RATIO

Min PCS = 20%

MAX. BAR CODE LENGTH

65 mm, 2.56 in (DL65); 82 mm; 3.23 in (DL80)

READING DISTANCE

0 to 30 mm, 0 to 1.2 in (DL65)
0 to 25 mm, 0 to 1 in (DL80)

DECODER

"GOOD READ" INDICATORS

READING SAFETY

READABLE BAR CODES

READING MODE

PROGRAMMING METHOD

Manual

Automatic (DL65/80-10/11 only)

Copy

DIMENSIONS

WEIGHT (approx.)

CASE MATERIAL

CABLE LENGTH

AMBIENT LIGHT CONDITIONS

OPERATING TEMPERATURE

STORAGE TEMPERATURE

HUMIDITY

SHOCK RESISTANCE

DROP RESISTANCE

PROTECTION CLASS

Built-in (except DL65/80-00/01)

LED and adjustable tone "beeper"

Time selection between one reading and another of the same code up to 9.9 sec.

2/5 family, Code 39, Code 93, Code 128, Code 32, Code 39 CIP, EAN128, EAN/UPC, Codabar, Code 11, Plessey, MSI

Single code or auto-discrimination

Reading special programming bar codes

S/W commands via the RS232 port

Master/slave configuration*

165 x 79 x 60 mm; 6.5 x 3.1 x 2.4 in (DL65)

170 x 94 x 70 mm; 6.7 x 3.7 x 2.8 in (DL80)

160 g, 5.6 oz (DL65) 170 g, 6 oz (DL80)

ABS

1.5 m (4.92 ft)

20,000 lux max. (on contact with code)

-10 to 45 °C (14 to 113 °F)

-20 to 70 °C (-4 to 158 °F)

90% non condensing

IEC 68-2-27 Test EA

IEC 68-2-32 Test ED

IP30

*Using copy cables as listed in Accessories

DATA LOGIC DL

Bar Code & More

We reserve the right to make modifications and improvements

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