

The Opticon DCL 1530 barcode data collector is specially designed to meet the needs of the consumer market user. With an LCD graphical display, USB and IrDA communication interfaces and AAA Alkaline batteries, the DCL 1530 makes barcode data collection simple for anyone. The DCL 1530 also includes a real-time internal clock, three-button keypad and plenty of onboard memory.

DATA COLLECTOR

DCL 1530

Barcode data collector with USB interface



Features

- USB and IrDA communication interfaces
- LCD display
- Flash ROM and RAM memory
- AAA Alkaline batteries
- Lithium-Ion Back-up battery

Benefits

- Multiple connectivity options
- Visual user interaction
- Non-volatile program and additional data storage
- Easy user replacement
- Provides data security

Cabled

Wireless

Stationary

OEM

OPTICON
always scanning for new ID's

Specifications

DCL 1530 Barcode data collector with USB interface

Electrical specifications

Main dry cell battery: 2 x AAA, 1200 mAh

Main dry cell battery operating time: When making every 5 minutes 1 scan with 2 sec. laserbeam on and 4 sec. backlight on, operating time is: approx. 38 days

Backup battery: Lithium rechargeable 3,5 mAh

Backup battery operating time: > 1 week backup

Battery management: When battery is low the data collector switches off automatically.

Optical specifications

Light source: 650 nm visible laser diode

Scan method: vibrating mirror

Scan rate: 100 scans/sec

Decode rate: 100 decodes/sec

Reading angle: +8 - +50° / -8 - -50°

Reading pitch angle: ± 35°

Reading skew angle: 20°

Curvature: 45 - 320 mm, depending on reading distance and bar code label resolution

Reading width: See D.O.F. diagram

Min. Resolution at PCS 0.9: 0.15 mm (6mil)

Min. PCS value: 0.45

Depth of field: 60 - 300 mm (UPC PCS0.9, resolution 1.00), 35 - 210 mm (UPC PCS0.9, resolution 0.5), 35 - 120 mm (UPC PCS0.9, resolution 0.25), 35 - 70 mm (UPC PCS0.9, resolution 0.15)

Identification

Supported barcode symbologies (1D): Chinese Post - Codabar incl. ABC and CX - Code 11 - Code 39 - Code 39 Full ASCII - Code 93 - Code 128 - EAN-8 incl. +2,+5 - EAN-13 incl. +2,+5 - EAN-128 - IATA - Industrial 2of5 - Interleaved 2of5 - Italian Pharmaceutical - ISBN - ISSN - Korean Postal Authority code - Matrix 2of5 - MSI/Plessey - UK/Plessey - RSS-14 - RSS Limited - RSS Expanded - Telepen - UPC-A incl. +2,+5 - UPC-E incl. +2,+5

Optional symbologies: MicroPDF417 - PDF417

Communication

Available interfaces: USB(VCP)/ IrDA

Functionality

Memory FlashROM: 512 kB (O/S and program)

Memory RAM: 512 kB (data storage) / optional 1MB

Microprocessor: 16-bit

Real time clock: Quartz RTC, time and date programmable, leap year handling, (accuracy +/- 60 sec./month)

Display: 112x64 Pixels graphic LCD

Character fonts: min. 4 lines x 14 characters, max. 10 lines x 18 characters

Keyboard function keys: 2 function keys

Environmental specifications

Temperature in operation: 0 - +40 °C/ +32 - +104 F

Temperature in storage: -20 - +60°C / -4 - +140 F

Humidity in operation: 20 - 80 % (non condensing)

Humidity in storage: 20 - 90 % (non condensing)

Ambient fluorescent light immunity: 3,000 lx max

Ambient direct sun light immunity: 50,000 lx max

Shock drop test: 1.5 m drop onto concrete surface

Shock vibration test: 12 - 100 Hz with 2G for 1 hour

Physical specifications

Dimensions: 25 x 44 x 129 mm / 0.98 x 1.73 x 5.08 inches

Weight body: Ca. 105 g / 0.23 pounds (Including battery)

Connector USB: USB-A with external power

Regulatory

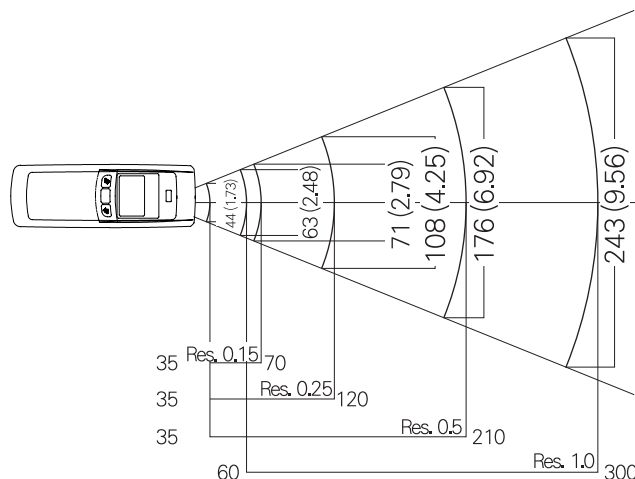
Laser safety class: IEC 825, Class I laserproduct

EMC: EN 55022, EN 55024, CE, FCC-B

Depth of field

The reading width is a calculated value and is for guidance only.

Unit: mm (inches)



Dimensions

Unit: mm (inches)

