

DCL 1531

Barcode data collector with USB interface



The Opticon DCL 1531 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 1531 makes barcode data collection simple for anyone. The DCL 1531 also includes a real-time internal clock, alphanumeric keypad and plenty of onboard memory.

Product Features

USB and IrDA communication interfaces

Multiple connectivity options

LCD display

Visual user interaction

Flash ROM and RAM memory

Non-volatile program and additional data storage

AAA Alkaline batteries

Easy user replacement

Lithium-Ion Back-up battery

Provides data security

Specifications

DCL 1531 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: -50 to -8°, +8 to +50°
Reading pitch angle: -25 to 0°, 0 to +25°
Reading skew angle: -20° to 0°, 0 to +20°
Curvature: R>15 mm (EAN8), R>20 mm (EAN13)
Min. resolution at PCS 0.9: 0.15 mm / 6 mil
Min. PCS value: 0.45
Depth of field: at PCS 0.9, Code 39
60 - 300 mm / 2.36 - 11.81 in (res. 1.0 mm / 39 mil),
35 - 210 mm / 1.38 - 8.27 in (res. 0.5 mm / 20 mil),
35 - 120 mm / 1.38 - 4.72 in (res. 0.25 mm / 10 mil),
35 - 70 mm / 1.38 - 2.76 in (res. 0.15 mm / 6 mil)

Communication specifications

Available interfaces: USB(VCP), IrDA

Identification

Supported barcode symbologies (1D): JAN/UPC/EAN (WPC) incl. add on, Chinese Post, Codabar/NW-7, Code 11, Code 39, Code 93, Code 128, IATA, Industrial 2of5, Interleaved 2of5, ISBN-ISMN-ISSN, Korean Postal Authority code, Matrix 2of5, MSI/Plessey-UK/Plessey, RSS, S-Code Telepen, Tri-Optic, Composite codes
Supported 2D code symbologies: MicroPDF417, PDF417

Functionality

Memory FlashROM: 512 kB (O/S and program)
Memory RAM: 512 kB (data storage)
Microprocessor: 16-bit
Real time clock: Quartz RTC, time and date programmable, leap year handling, (accuracy +/- 60 sec./month)
Display: 112x64 Pixels graphic LCD with display
Character fonts: min. 4 lines x 14 characters, max. 10 lines x 18 characters
Keyboard: 18 keys total, 2 function keys, 1 scan key

Environmental specifications

Temperature in operation: 0 to 40 °C / 32 to 104 °F
Temperature in storage: -10 to 60 °C / 14 to 140 °F
Humidity in operation: 25 - 85 % (non-condensing)
Humidity in storage: 20 - 90 % (non-condensing)
Ambient fluorescent light rejection: 3,000 lx max
Ambient direct sun light rejection: 50,000 lx max
Shock drop test: 1.5 m / 5 ft drop onto concrete surface
Shock vibration test: 12 - 100 Hz with 2G for 1 hour

Physical specifications

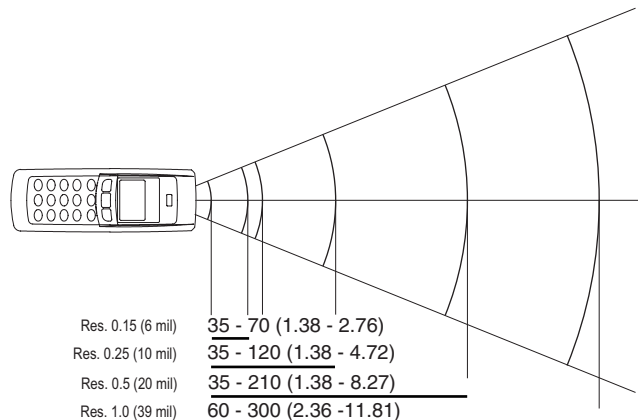
Dimensions: 25 x 44 x 129 mm / 0.98 x 1.73 x 5.08 in
Weight body: Ca. 105 g / 3.7 oz (Incl. battery)
Connector USB: USB-A

Regulatory

Laser safety class: JIS-C-6802 Class 2, IEC 60825-1 Class 2, FDA CDRH Class II
Product compliance: CE, FCC, VCCI, RoHS

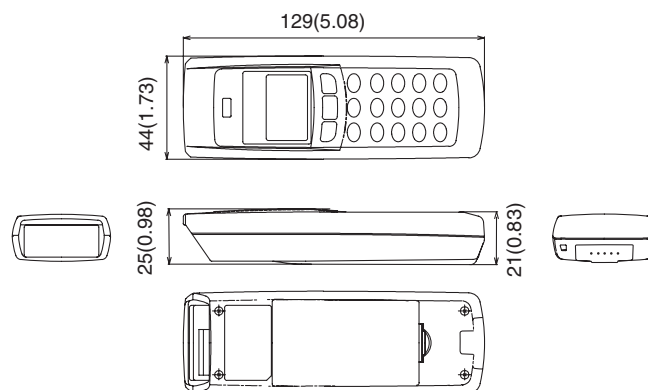
Depth of field

Unit: mm (in)



Dimensions

Unit: mm (in)



Accessories

Sold separately
CRD 1531: Modem communication cradle