

OPN 2002

Pocket Memory Scanner
with Bluetooth



The OPN 2002 Bluetooth memory scanner combines convenient barcode data collection with flexible communication options. The device allows storage and removal of barcode scans. The final collection can be transmitted by cabled or wireless interface, both options are provided.

Product Features

Bluetooth & USB communication interface

For data transmission to a Bluetooth hosting device, two profiles are available on the OPN 2002. The SPP profile allows the user to use a data loading tool and configure some Bluetooth transmission settings. For direct transmission without using any tools the HID profile will fit the immediate wireless transfer needs. In occasions where Bluetooth is not provided, access by the USB port enables (cabled) data transfer to any USB device.

Scanning control by two buttons

Using this high performance laser scanner is very easy – scan a barcode and it will be stored automatically. When you make a mistake, the lower button allows you to re-scan the barcode in order to remove the item from the memory.

Wide storage & large capacity

Over 25.000 codes can be stored and removed by the user at any time.

Lightweight

Large application flexibility is provided in this lightweight device of less than 30 grams (1 ounce).

Cabled

Wireless

Stationary

OEM

OPTICON
always scanning for new ID's

Specifications

OPN 2002 Pocket Memory Scanner with Bluetooth

Electrical specifications

Main battery pack: Lithium-Ion polymer rechargeable (240 mAh)
Main battery pack operating time: over 7 hours
Charging method: The main battery in the scanner will be charged through the 10-bay cradle or USB cable.
Battery charging time: Ca. 2.5 hours

Optical specifications

Light source: 650 nm visible laser diode
Scan method: vibrating mirror
Scan rate: 100 scans/sec
Decode rate: 100 decodes/sec
Reading pitch angle: -35 to 0°, 0 to +35°
Reading skew angle: -50 to -8°, +8 to +50°
Reading tilt angle: -20 to 0°, 0 to +20°
Curvature: R>15 mm (EAN8), R>20 mm (EAN13)
Min. PCS value: 0.45
Depth of field: at PCS 0.9, UPC
60 - 570 mm / 2.36 - 22.44 in (res. 1.0 mm / 39 mil),
40 - 360 mm / 1.57 - 14.17 in (res. 0.5 mm / 20 mil),
40 - 220 mm / 1.57 - 8.66 in (res. 0.25 mm / 10 mil),
40 - 120 mm / 1.57 - 4.72 in (res. 0.15 mm / 6 mil),
50 - 100 mm / 1.97 - 3.94 in (res. 0.127 mm / 5 mil)

Communication specifications

Interface USB: ver. 1.1, VCP
Interface Bluetooth: ver. 1.2
Output power level: Class 2
Profile: SPP, HID
Operation range: 10 m
Connection mode: 1 to 1
Operation mode: master
Security mode: authentication, encryption

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
Supported 2D code symbologies: MicroPDF417, PDF417

Functionality

FlashROM: 1 MB (Program storage + >25,000 barcodes + time stamp)
Memory RAM: 1 MB
Microprocessor: 32 bits
Real time clock: Quartz RTC, time and date programmable, leap year handling, (accuracy +/- 60 sec./month)
Keyboard: 1 scan button, 1 function key

Environmental specifications

Temperature in operation: 0 to 50 °C / 32 to 122 °F
Temperature in storage: -20 to 60 °C / -4 to 140 °F
Humidity in operation: 20 - 85 % (non-condensing)
Humidity in storage: 20 - 85 % (non-condensing)
Ambient fluorescent light rejection: 3,000 lx max.
Ambient white light rejection: 3,000 lx max.
Ambient direct sun light rejection: 50,000 lx max.
Protection against dust and moisture, according to IEC529: IP 42

Physical specifications

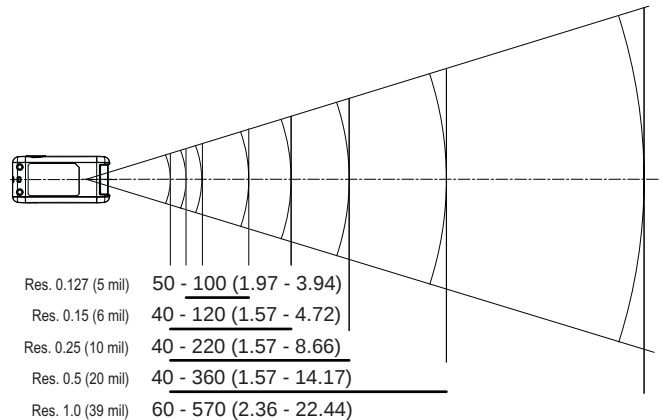
Dimensions: 32 x 62 x 16 mm / 1.26 x 2.44 x 0.63 in
Weight body: Ca. 29 g / 1.0 oz

Regulatory

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

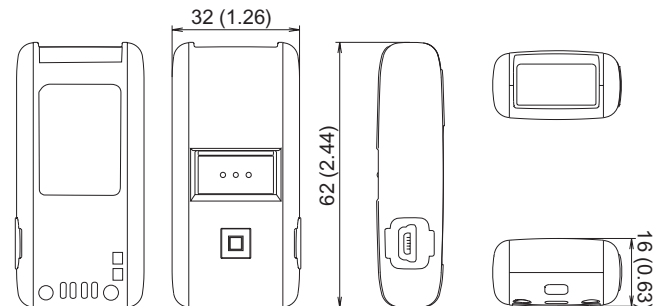
Depth of field

Unit: mm (in)



Dimensions

unit: mm (in)



Enclosed items

USB cable, Neck strap

Accessories

Sold separately
AC USB adapter
CRD 2000-U10: 10-bay charging and USB communication cradle
CRD 2000-RU10: 10-bay charging and USB + RS232 communication cradle

Conditions

To be determined: Availability & Ordering quantity