

1D LASER

OPN 2001

Pocket Memory Scanner



The OPN 2001 pocket memory scanner makes barcode data collection simple for anyone. Using this scanner is straightforward – 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 memory.

Product Features

USB communication interface

For easy data transfer the device is equipped with a standard USB port, which is also used to charge the internal battery.

Large internal memory

Over 10.000 codes can be stored and removed by the user at any time

Lightweight (only 28 grams)

Provides mobility and flexibility

Two button operation

Plain and simple to use

Cabled

Wireless

Stationary

OEM

OPTICON

always scanning for new ID's

Specifications

OPN 2001 Pocket Memory Scanner

Electrical specifications

Main battery pack: Lithium-Ion rechargeable (3.7 V DC, 150 mAh)
Main battery pack operating time: 10,000 scans (conditions: every scan 4 sec. laser beam on / 1 sec. good read LED on)
Charging method: Recharging lithium-Ion pack in scanner via USB port

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

Available interfaces: USB

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

Functionality

Memory FlashROM: 512 kB (Program storage + >10,000 barcodes + time stamp)
Memory RAM: 64 kB
Microprocessor: ARM7, 32 bits
Real time clock: Quartz RTC, time and date programmable, leap year handling, (accuracy +/- 60 sec./month)
Keyboard: 1 scan button, 1 clear button
O/S: proprietary

Environmental specifications

Temperature in operation: -10 to 40 °C / 14 to 104 °F
Temperature in storage: -20 to 60 °C / -4 to 140 °F
Ambient fluorescent light rejection: 4,000 lx max.
Ambient white light rejection: 4,000 lx max.
Ambient direct sun light rejection: 80,000 lx max.

Physical specifications

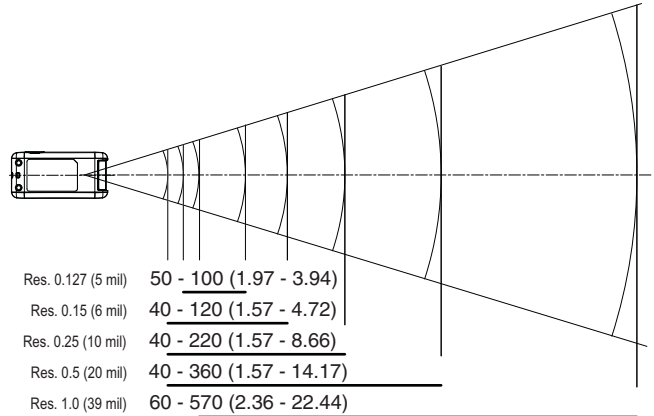
Dimensions: 30 x 62 x 16 mm / 1.18 x 2.44 x 0.63 in
Weight body: Ca. 28 g / 1 oz

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)

