

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: 1000 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 + >1000 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

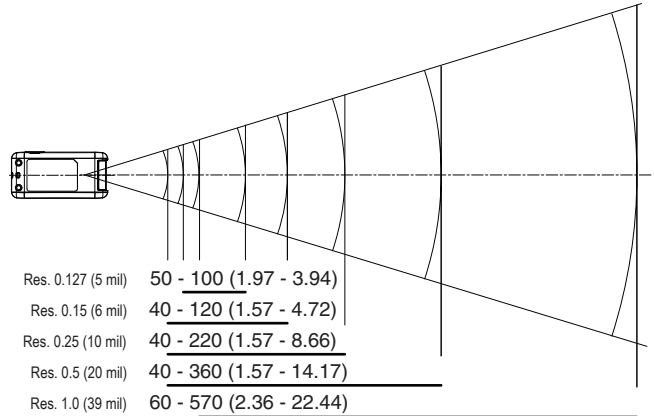
Dimensions: 30 x 62 x 16 mm / 1.18 x 2.44 x 0.63 in  
Weight body: Ca. 28 g / 1 oz

#### Regulatory

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

#### Depth of field

Unit: mm (in)



#### Dimensions

unit: mm (in)

