

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

1D LASER SCANNER

OPN 2001

Pocket Memory Scanner



Features

- USB communication interface
- Large internal memory
- Rechargeable Lithium-Ion battery pack
- Lightweight (only 28 grams)
- Two button operation

Benefits

- Direct data storage into any USB computer system
- Over 10.000 codes can be stored and removed by the user at any time
- Maximum power and long runtime
- Provides mobility and flexibility
- 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: Lithium-Ion rechargeable (3.7 V DC, 150 mAh)
Main battery operating time: 1000 scans (conditions: every scan 4sec. 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 - +0°, 0 - -35°
Reading skew angle: -8 - -50°, +8 - +50°
Reading tilt angle: +20 - +0°, 0 - -20°
Curvature: R>15 (EAN8), R>20 (EAN13)
Min. PCS value: 0.45
Depth of field: 70 - 650 mm / 2.76 - 25.59 inches (UPC PCS0.9, resolution 1.00), 50 - 420 mm / 1.97 - 16.54 inches (UPC PCS0.9, resolution 0.5), 50 - 260 mm / 1.97 - 10.24 inches (UPC PCS0.9, resolution 0.25), 50 - 150 mm / 1.97 - 5.91 inches (UPC PCS0.9, resolution 0.15), 60 - 120 mm / 2.36 - 4.72 inches (UPC PCS0.9, resolution 0.127)

Identification

Supported barcode symbologies (1D):
JAN/UPC/EAN/Add-on - NW-7 / Codabar - Code 39 - Code 39 Full ASCII - Code 93 - Code 128 - IATA - Industrial 2of5 - Interleaved 2of5 - Italian Pharmaceutical - MSI/Plessey - UK/Plessey - RSS-14 - RSS Limited - RSS Expanded - Telepen - Tri-Optic - UCC/EAN-128

Communication

Interfaces: USB

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
Operating system: Windows XP/2000

Environmental specifications

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

Physical specifications

Dimensions: (w x h x d) 30 x 62 x 16 mm / 1.18 x 2.44 x 0.63 inches
Weight: ca. 28 g / 0.06 pounds / 1 oz

Regulatory

Laser safety class: IEC 825, Class I laserproduct
EMC: EN 55022, EN 55024, CE

Enclosed items

Operational use: Handstrap
Communication: USB cable

Depth of field

Unit: mm (inches)

