

# OPR 4001

Handheld barcode CCD scanner



A solid CCD scanner with wide optical window delivers reliable scanning performance using Opticon's proven scanning technology and enforces the reading of barcode labels of various widths.

## Product Features

### CCD linear scanning

The 2500 pixels CCD image sensor provides a smooth and accurate reading and is immediately ready for the next scan, even when barcodes are printed with low contrast or high density.

### Plug and Scan

The plug and play ability of the OPR 4001 enables quick connection to all common hosting systems and provides the immediate availability of the scanned results in the end user application. The serial connection interfaces also provides command communication.

### Traditional Design

The outer looks of the scanner and its handling is unmistakable. The proven concept has a high user acceptance and invites the user to instant operation.

Cabled

Wireless

Stationary

OEM

**OPTICON**  
always scanning for new ID's

## Specifications

### OPR 4001 Handheld barcode CCD scanner

#### Electrical specifications

Voltage requirement: 5 V  $\pm$  10 % (Keyboard Wedge and USB), 6 V (min. 4.5, max. 6.6 V) (RS232)

#### Optical specifications

Light source: 626 nm red LED  
Photo sensor: CCD linear image sensor 2500 pixels  
Scan rate: 200 scans/sec  
Reading width: 65 mm

#### Communication specifications

Interface: RS232C, Keyboard Wedge, USB(HID/CP)

#### 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

#### Environmental specifications

Temp. operation: 0 to 50 °C / 32 to 122 °F  
Temp. storage: -20 to 60 °C / -4 to 140 °F  
Humid. operation: 5 - 95 % (non-condensing)  
Humid. storage: 5 - 95 % (non-condensing)  
Amb. direct sun: 10,000 lx max.  
Drop: 1.5 m / 5 ft drop onto concrete surface  
Vibration: 10 - 100 Hz with 2 G for 1 hour  
ProtectDustWater: IP 42

#### Physical specifications

Dimensions: 165 x 77 x 52 mm / 6.50 x 3.03 x 2.05 in  
Weight Body: Ca. 80 g / 2.8 oz (excl. cable)  
Connector Keyboard Wedge: MiniDIN6  
Connector RS232: DB9 F  
Connector USB: USB-A

#### Regulatory

Product compliance: CE, FCC, VCCI, RoHS

#### Enclosed items

AC Adapter for RS232C

#### Conditions

To be determined: Reading specifications, Availability