

# OPR-2001

## Laser Barcode Scanner

### HIGHLIGHTS

High performance laser scanner

Compact & sleek design

Hands-free operation

Customizable housing color



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## Basic product specifications

### OPERATING INDICATORS

**VISUAL:** 1 LED (red/green/orange) **NON-VISUAL:** Buzzer

### OPERATING KEYS

**ENTRY OPTIONS:** 1 scan key

### COMMUNICATION

**RS232:** DB9 PTF connector with external power supply **KEYBOARD WEDGE:** MiniDIN6 F/M connector **USB:** Ver. 1.1, HID/VCP, USB-A connector

### POWER

**VOLTAGE REQUIREMENT:** 5V +/- 10% (Keyboard Wedge and USB), 6V (min. 4.5, max. 6.5 V) (RS232) **CURRENT CONSUMPTION:** Max. 150mA

### BARCODE SCANNER OPTICS

**LIGHT SOURCE:** 650 nm visible laser diode **SCAN METHOD:** Bi-directional scanning **SCAN RATE:** 100 scans/sec **TRIGGER MODE:** Manual, auto-trigger, stand detection **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. RESOLUTION AT PCS 0.9:** 0.127 mm / 5 mil **MIN. PCS VALUE:** 0.45 **DEPTH OF FIELD:** At PCS 0.9, Code 39, 40 - 500 mm / 1.57 - 19.69 in (1.0 mm / 39 mil), 20 - 350 mm / 0.79 - 13.78 in (0.5 mm / 20 mil), 20 - 200 mm / 0.79 - 7.87 in (0.25 mm / 10 mil), 20 - 100 mm / 0.79 - 3.94 in (0.15 mm / 6 mil), 30 - 70 mm / 1.18 - 2.76 in (0.127 mm / 5 mil)

### SUPPORTED SYMBOLOGIES

**BARCODE (1D):** JAN/UPC/EAN incl. add on, Codabar/NW-7, Code 11, Code 39, Code 93, Code 128, GS1-128 (EAN-128), GS1 DataBar (RSS), IATA, Industrial 2of5, Interleaved 2of5, ISBN-ISMN-ISSN, Matrix 2of5, MSI/Plessey, S-Code, Telepen, Tri-Optic, UK/Plessey **POSTAL CODE:** Chinese Post, Korean Postal Authority code **2D CODE:** Composite codes, MicroPDF417, PDF417

### DURABILITY

**TEMPERATURE IN OPERATION:** -5 to 50°C / 23 to 122°F **TEMPERATURE IN STORAGE:** -20 to 60°C / -4 to 140°F **HUMIDITY IN OPERATION:** 20 - 85% (non-condensing) **HUMIDITY IN STORAGE:** 10 - 90% (non-condensing) **AMBIENT LIGHT IMMUNITY:** Fluorescent 3,000 lx max, Direct sun 50,000 lx max, Incandescent 3,000 lx max **DROP TEST:** 1.5 m / 5 ft drop onto concrete surface **VIBRATION TEST:** 10 - 100 Hz with 2G for 1 hour **PROTECTION RATE:** IP 42

### PHYSICAL

**DIMENSIONS (W X H X D):** 56 x 151 x 31 mm / 2.20 x 5.94 x 1.22 in

**DIMENSIONS STAND (W X H X D):** 100 x 175 x 127 mm / 3.94 x 6.89 x 5.00 in (excl. scanner) **WEIGHT BODY:** Ca. 60 g / 2.1 oz (excl. cable) **WEIGHT STAND:** Ca. 115 g / 4.1 oz **CASE:** ABS, any color available, chrome stand

### REGULATORY & SAFETY

**PRODUCT COMPLIANCE:** CE, FCC, VCCI, RoHS, JIS-C-6802 Class 2, IEC 60825-1 Class 2, FDA CDRH Class II

### ENCLOSED ITEMS

Stand (optionally sold separately)

### SOLD SEPARATELY

**POWER SUPPLY:** 100-240V/0.5A, 50/60 Hz, 6V/2A (for RS232)

### MODELS

**INTERFACE VERSIONS:** RS232, Keyboard Wedge, USB

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