

# OPR-3201

## Barcode Laser Scanner

### HIGHLIGHTS

- High speed scanning
- Laser engine
- Plug & play
- 1.5 m drop proof
- Antimicrobial (optional)



# OPR-3201

## Basic product specifications

### OPERATING INDICATORS

**VISUAL:** 1 LED / large 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  $\pm$  10% (Keyboard Wedge and USB), 6V (min.

4.5, max. 6.5V) (RS232) **CURRENT CONSUMPTION:** Max. 200 mA

### 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:** 0.35 **DEPTH OF FIELD:** At

PCS 0.9, Code 39, 40 - 400 mm / 1.57 - 15.75 in (1.0 mm / 39 mil), 20 - 300

mm / 0.79 - 11.81 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:** 5 -

95% (non-condensing) **HUMIDITY IN STORAGE:** 5 - 90% (non-condensing)

**AMBIENT LIGHT IMMUNITY:** White 3,000 lx max, Fluorescent 3,000 lx max,

Direct sun 50,000 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 149 x 109 mm / 2.20 x 5.87 x 4.29 in

**DIMENSIONS STAND (W x H x D):** 146 x 106 x 295 mm / 5.75 x 4.17 x 11.61

in (excl. scanner) **WEIGHT BODY:** Ca. 80 g / 2.8 oz (excl. cable) **CASE:** ABS,

Black or White **WEIGHT STAND:** 385 g / 13.58oz

### 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

### SOLD SEPARATELY

Power supply 6V/2A (for RS232)

### MODELS

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

Black, White

