

# Specifications- OPR-3001B

## Operating indicators

**Visual** 1 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. 130mA (RS232), max. 125mA (Keyboard Wedge and USB)

## 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

**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 (EAN8), R>20 (EAN13)

**Min. resolution at PCS 0.9** 0.127 mm / 5 mil

**Min. PCS value** 0.45

**Depth of field** 30 - 590 mm / 1.18 - 23.23 in (1.0 mm / 39 mil), 10 - 360 mm / 0.39 - 14.17 in (0.5 mm / 20 mil), 10 - 200 mm / 0.39 - 7.87 in (0.25 mm / 10 mil), 10 - 90 mm / 0.39 - 3.54 in (0.15 mm / 6 mil), 20 - 60 mm / 0.79 - 2.36 in (0.127 mm / 5 mil), at PCS 0.9 Code 39

## 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** -10 to 60 °C / 14 to 140 °F

**Temperature in storage** -30 to 70 °C / -22 to 158 °F

**Humidity in operation** 5 - 90% (non-condensing)

<b>Humidity in storage</b>	5 - 90% (non-condensing)
<b>Ambient light immunity</b>	Fluorescent 4,000 lx max, Direct sun 80,000 lx max, Incandescent 4,000 lx max
<b>Drop test</b>	2 m / 6.5 ft drop onto concrete surface
<b>Vibration test</b>	10 - 100 Hz with 2G for 30 min
<b>Protection rate</b>	IP 54
<b>Physical</b>	
<b>Dimensions (w x h x d)</b>	68 x 155 x 150 mm / 2.68 x 6.10 x 5.91 in
<b>Weight body</b>	Ca. 230 g / 8.1 oz (excl. cable)
<b>Case</b>	ABS, Black or White
<b>Regulatory &amp; Safety</b>	
<b>Product compliance</b>	CE, FCC, VCCI, RoHS, JIS-C-6802 Class 2, IEC 60825-1 Class 2, FDA CDRH Class II