

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**

SKUEW 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

