

CABLED SCANNER

# OPR-2001

## Laser Barcode Scanner

### Highlights

- Slim and ultra-lightweight delivering the perfect combination of performance, durability and style
- Feels good in the hand and looks great on the counter
- Ideal scanning solution for retail, healthcare, education and logistics applications
- 100 scans/second high speed laser scanner
- Durable – survives five foot drop to concrete
- IP42 rating against dust and moisture
- Trigger modes: manual, auto-trigger and stand detection
- Communication interface: RS232, keyboard wedge or USB
- Stand included
- Backed by a two year warranty



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## Product Specifications

### OPERATING INDICATORS

**VISUAL:** 1 LED (red/green/orange)

**AUDIBLE:** Buzzer

### OPERATING KEYS

**ENTRY OPTIONS:** 1 scan key

### COMMUNICATION

**RS232:** DB9 PTF connector with external power supply

**KEYBOARD WEDGE:** MiniDIN6 F/M connector

**USB:** Version 1.1, HID/VCP, US B-A connector

### POWER

**VOLTAGE REQUIREMENT:** 5V  $\pm$  10% (Keyboard Wedge and USB), 6V (minimum 4.5, maximum 6.5 V) (RS232)

**CURRENT CONSUMPTION:** Maximum 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 (EAN 8), R>20 mm (EAN 13),

**MINIMUM RESOLUTION AT PCS 0.9:** 5 mil (0.127 mm)

**MIN. PCS VALUE:** 0.45

**DEPTH OF FIELD:** At PCS 0.9, Code 39

39 mil (1.0 mm) 1.57 - 19.69 in (40 - 500 mm)

20 mil (0.5 mm) 0.79 - 13.78 in (20 - 350 mm)

10 mil (0.25 mm) 0.79 - 7.87 in (20 - 200 mm)

6 mil (0.15 mm) 0.79 - 3.94 in (20 - 100 mm)

5 mil (0.127 mm) 1.18 - 2.76 in (30 - 70 mm)

### 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

**BARCODE (2D):** Composite codes, MicroPDF417, PDF417

**BARCODE (POSTAL CODES):** Chinese Post, Korean Postal Authority code

### DURABILITY

#### TEMPERATURE:

Operation: 23 - 122°F (-5 - 50°C)

Storage: -4 - 140°F (-20 - 60°C)

#### HUMIDITY:

Operation: 20 - 85% (non-condensing)

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:** 5 ft (1.5 m) drop onto concrete surface

**VIBRATION TEST:** 10 - 100 Hz with 2G for 1 hour

**PROTECTION RATE:** IP 42

### PHYSICAL

**DIMENSIONS (WXHxD):** 2.20 x 5.94 x 1.22 in (56 x 151 x 31 mm)

**DIMENSIONS STAND (WXHxD):** 3.94 x 6.89 x 5.00 in (100 x 175 x 127 mm) (excl. scanner)

**WEIGHT BODY:** 2.1 oz (Ca. 60 g) (excl. cable)

**WEIGHT STAND:** Ca. 4.1 oz (115 g)

**CASE:** ABS, any color available, chrome stand

### REGULATORY AND 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:** 100-240V/0.5A, 50/60 Hz, 6V/2A (for RS232)

### MODELS

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



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