

OPR-3201

Barcode Laser Scanner



Highlights

- Affordable handheld barcode scanner providing fast, reliable scanning
- Lightweight, ergonomic form factor for continuous, all day usage
- 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
- 2.2" x 5.7" x 4.1" (WxLxD), and 2.8 ounces
- Stand included
- Backed by a two year warranty

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Product Specifications

OPERATING INDICATORS

VISUAL: 1 LED / large 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 ± 10% (Keyboard Wedge and US B), 6V (minimum 4.5, max. 6.5V) (RS 232)
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 (EAN 8), R>20 mm (EAN 13)
MINIMUM RESOLUTION AT PCS 0.9: 5 mil (0.127 mm)
MINIMUM PCS VALUE: 0.35
DEPTH OF FIELD: At PCS 0.9, Code 39
39 mil (1.0 mm) 1.57 - 15.75 in (40 - 400 mm)
20 mil (0.5 mm) 0.79 - 11.81 in (20 - 300 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 to 122 °F (-5 to 50 °C)
Storage: -4 to 140 °F (-20 to 60 °C)

HUMIDITY

Operation: 5 - 95% (non-condensing)
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: 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 5.87 x 4.29 in (56 x 149 x 109 mm)
DIMENSIONS STAND (WXHxD): 5.75 x 4.17 x 11.61 in (146 x 106 x 295 mm) (excl. scanner)
WEIGHT BODY: Ca. 2.8 oz 80 g (excl. cable)
CASE: ABS, Black or White
WEIGHT STAND: 13.58 oz (385 g)

REGULATORY AMD 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



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