

# L-50R

## Barcode Laser Scanner

### HIGHLIGHTS

- Custom logo display area
- Scan rate 100 scans/sec
- Reads high res barcodes
- Exchangeable cable (interface)

### CUSTOM LOGO DISPLAY



# L-50R

## Basic product specifications

### OPERATING INDICATORS

**CPU:** 32-bit CISC, 96 MHz **VISUAL:** 1 white LED **NON-VISUAL:** Buzzer

### OPERATING KEYS

**ENTRY OPTIONS:** 1 scan key

### COMMUNICATION

**RS232:** D-SUB9 pin (with external power supply) **KEYBOARD WEDGE:** PS/2

**USB:** Ver. 2.0, HID/COM, USB-A connector

### POWER

**VOLTAGE REQUIREMENT:** 5.5-5.6V (Keyboard Wedge and RS232), 4.5-5.5V (USB) **CURRENT CONSUMPTION:** Max. 130mAh

### BARCODE SCANNER OPTICS

**ENGINE:** Opticon **LIGHT SOURCE:** red laser, 650 nm **SCAN METHOD:** 650 nm red laser diode, 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 0°, 0 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:** 0.076 mm **MIN. PCS VALUE:** 0.45 **DEPTH OF FIELD AT CODE 39:** 15 - 65 mm / 0.59 - 2.56 in (0.127 mm / 5 mil), 5 - 95 mm / 0.19 - 3.74 in (0.15 mm / 6 mil), 5 - 205 / 0.19 - 8.07 in (0.25 mm / 9.84 mil), 5 - 365 mm / 0.19 - 14.37 in (0.5 / 20 mil), 25 - 550 mm / 0.98 - 21.65 in (1.0 mm / 39 mil)

### SUPPORTED SYMBOLOGIES

**BARCODE (1D):** JAN/UPC/EAN incl. add on, Codabar/NW-7, Code 39, Code 93, Code 128, GS1-128 (EAN-128), GS1 DataBar (RSS), GS1 DataBar Limited, GS1 DataBar Expanded, IATA, Industrial 2 of 5, Interleaved 2 of 5, ISBN-ISSN-ISMN, Matrix 2 of 5, MSI/Plessey, UK/Plessey, S-Code, Telepen, Tri-Optic, Code 11, PDF417, MicroPDF417 **POSTAL CODE:** Chinese Post Matrix 2 of 5, Korean Postal Authority code

### DURABILITY

**TEMPERATURE IN OPERATION:** -20 to 50 °C / -4 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 - 95% (non-condensing) **AMBIENT LIGHT IMMUNITY:** Fluorescent 4,000 lx, Direct sun 80,000 lx **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):** 75.4 x 169.5 x 121.2 mm / 2.97 x 6.67 x 4.77 in

**DIMENSIONS STAND (W X H X D):** 120 x 294 x 180 mm / 4.72 x 11.57 x 7.09

in (excl. scanner) **CABLE LENGTH:** 2.0 m **WEIGHT BODY:** Ca. 145 g / 5.1 oz (excl. cable) **WEIGHT STAND:** Ca. 335 g / 11.8 oz **CASE:** ABS/PC, Black or White

### REGULATORY & SAFETY

**PRODUCT COMPLIANCE:** CE, FCC, VCCI Class B, RoHS, IEC/EN 60825-1:2007, JIS C 6802:2011, CDRH Class 2, EN55022, EN61000

### ENCLOSED ITEMS

Power supply 6V/2A (for RS232), Stand

### MODELS

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

