1D LASER

OPL 2724

Wireless barcode scanner

The OPL 2724 is a pocket-sized laser barcode scanner with a Bluetooth interface. It is the ideal tool for data collection when running mobile applications on Smartphones, PDAs or other mobile computing devices.

Product Features

Bluetooth interface
The use of the widely available and reliable Bluetooth wireless communication protocol allows the scanned data to be instantly transmitted to any mobile device with Bluetooth capability, thus allowing real-time data processing on a wide range Bluetooth enabled devices.

Designed for Mobility
The compact size and light weight of the OPL 2724 (4 cm width, 10 cm length, 50 grams) creates an ideal tool for mobile operations. To ensure continuous uptime, this scanner is powered by standard LR-3 (AAA) batteries.

One button operation
Operating the OPL 2724 is very straight-forward – scan a barcode and it is immediately sent to the connected Bluetooth device. This simple method allows for real-time data collection with minimal training and leaves end-users to focus on the business.

Onboard Data Backup
Scanned data is stored onboard the OPL 2724 in case the Bluetooth receiver moves out of range or is temporarily down thus preventing data loss as well time lost trying to retrace steps. Doing tasks once is the purpose of this tool and the OPL 2724 enables users to do just that.

Specifications
OPL 2724 Wireless barcode scanner

Electrical specifications
Main dry cell battery: 2 x AAA / LR3
Main dry cell battery operating time: ca. 30 days (100 scan / 1 day), ca. 48 hours (1 scan / 5 sec.)
Main battery condition: Operation at normal temperature. Connect Bluetooth only when transmitting data.

Optical specifications
Light source: 650 nm visible laser diode
Scan rate: 100 scans/sec
Reading pitch angle: -25 to 0°, 0 to +25°
Reading skew 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
70 - 185 mm / 2.76 - 7.28 in (res. 1.0 mm / 39 mil),
50 - 160 mm / 1.97 - 6.30 in (res. 0.5 mm / 20 mil),
50 - 120 mm / 1.97 - 4.72 in (res. 0.25 mm / 10 mil),
50 - 70 mm / 1.97 - 2.76 in (res. 0.15 mm / 6 mil)

Communication specifications
Interface Bluetooth: Ver. 1.2
Output power level: Class 2
Frequency: 2.4 GHz
Profile: GAP, SPP
Operation range: 10 m
Connection mode: 1 to 1
Operation mode: master, slave
Low power mode: park, sniff, hold
Security mode: authentication with encryption

Identification
Supported barcode symbologies (1D): JAN/UPC/EAN (WPC) incl. add on, Chinese Post, Codabar/NW-7, Code 11, Code 39, Code 93, Code 128, IATA, Industrial 2of5, Interleaved 2of5, ISBN-ISMN-ISSN, Korean Postal Authority code, Matrix 2of5, MSI/Plessey-UK/Plessey, RSS, S-Code, Telepen, Tri-Optic, Composite codes
Supported 2D code symbologies: MicroPDF417, PDF417

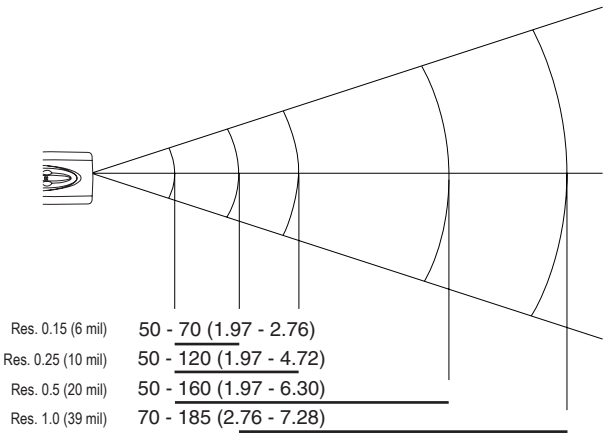
Functionality
Trigger mode: manual
Memory FlashROM: 256 kB
Memory RAM: 32 kB SRAM
Microprocessor: 16-bit CISC CPU

Environmental specifications
Temperature in operation: -5 to 50 °C / 23 to 122 °F
Temperature in storage: -10 to 60 °C / 14 to 140 °F
Humidity in operation: 30 - 80 % (non-condensing)
Humidity in storage: 20 - 90 % (non-condensing)
Ambient white light rejection: 3,000 lx max.
Ambient direct sun light rejection: 50,000 lx max.
Ambient incandescent light rejection: 3,000 lx max.
Shock drop test: 1.5 m / 5 ft drop onto concrete surface
Protection (dust and moisture, IEC529): IP X2

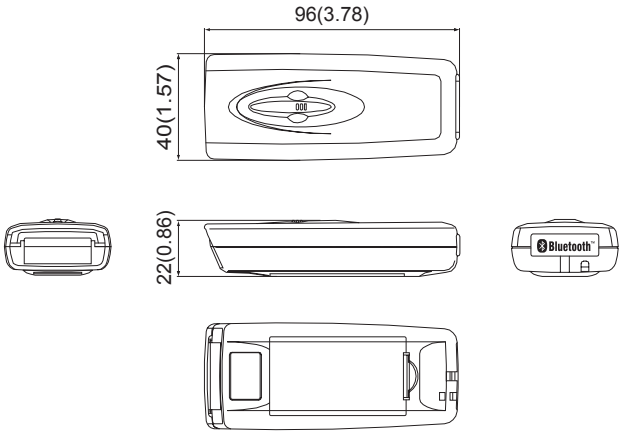
Physical specifications
Dimensions: 96 x 40 x 22 mm / 3.78 x 1.57 x 0.86 in
Weight body: Ca. 50 g / 1.8 oz

Regulatory
Laser safety class: JIS-C-6802 Class 1, IEC 60825-1 Class 1, FDA CDRH Class I
EMC / Product compliance: CE, FCC, VCCI, RoHS
R&TTE: EN300 328, EN307 489

Depth of field
Unit: mm (in)



Dimensions
unit: mm (in)



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