

OPL 9715

Barcode data collector with keypad and GPS



This product with integrated GPS module allows to record the geographical position with barcode data. Typically, this type of barcode data collector combines three types of registrations at once; barcode data, time stamp and position tracking.

Product Features

Real-Time Barcode Collection

The barcode data collector holds a high performance laser scanner for barcode scanning and has a real-time clock integrated. The scanned barcode can be stored in the on-board memory with the actual time. The barcode data collector is fast and accurate and can easily keep up with a large amount of registrations.

Designed for Mobility

The average dimensions and weight provides a convenient fit for many circumstances. The model is elegant and light for comfortable operation, also sealed up to IP54 standards to withstand rigors of several environments. The size of the scanner has volume enough to easily detect it as a working tool, it is also sleek and can easily be carried in all kinds of mobile applications.

Clear Visibility and Convient Operation

Operation of this device is performed by a scan button and a numeric keypad supporting alphanumeric data entry. With the results visible in the graphical LCD display the user has the convenience to scan and navigate through the loaded application and add location data.

Position Tracking by GPS

The integrated GPS module on this data collector adds position tracking to the data collection possibilities. The GPS receiver allows to record geographical data with the scanned barcode.

Specifications

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Electrical specifications

Main battery pack: Li-Ion rechargeable 3.7 V / nom. 1000 mAh
Main battery pack operating time: Ca 50 hours (1 scan / 5 sec. excl. connection), ca. 10 hours (1 scan / 5 sec. with GPS connection). Different operation conditions affect the operating time.
Backup battery: Rechargeable manganese silicon lithium battery 3 mAh
Backup battery operating time: > 72 hours
Charging method: The main battery in data collector will be charged through the cradle. The backup battery will be charged by the main battery.
Battery charging time: Ca. 5 hours

Optical specifications

Light source: 650 nm visible laser diode
Scan method: vibrating mirror
Scan rate: 100 scans/sec
Decode rate: 100 decodes/sec
Reading angle: effective 44°
Reading pitch angle: -25 to 0°, 0 to +25°
Reading skew angle: -8 to -50° / +8 to +50°
Reading tilt angle: -20 to 0°, 0 to +20°
Min. resolution at PCS 0.9: 0.15 mm / 6 mil
Min. PCS value: 0.45
Depth of field: at PCS0.9 Code 39
60 - 300 mm / 2.36 - 11.81 in (res. 1.00 mm / 39 mil),
35 - 210 mm / 1.18 - 8.27 in (res. 0.5 mm / 20 mil),
35 - 120 mm / 1.18 - 4.72 in (res. 0.25 mm / 10 mil),
35 - 70 mm / 1.18 - 1.38 in (res. 0.15 mm / 6 mil)

Communication specifications

Interface IrDA: Ver. 1.2, baudrate: 2.4 - 115.2 kbps
Interface GPS: NMEA 0183, SiRF Star III, 4.8 kbps

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-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 (if supported in application)

Functionality

Trigger mode: manual
Memory FlashROM: 1 MB
Memory RAM: 512 kB
Microprocessor: 16-bit
Real time clock: Quartz RTC, time and date programmable, leap year handling, (accuracy +/- 60 sec./month)
Display: 112x64 Pixels graphic LCD with backlight
Character fonts: min. 4 lines x 14 characters, max. 10 lines x 18 characters
Keyboard: 18 keys total, 2 function keys, 1 scan key

Environmental specifications

Temperature in operation: 0 to +40 °C / +23 to +104 °F
Temperature in storage: -20 to +60 °C / -4 to +140 °F
Humidity in operation: 20 - 85 % (non condensing)
Humidity in storage: 20 - 90 % (non condensing)
Ambient fluorescent light rejection: 3,000 lx max
Ambient white light rejection: 3,000 lx max
Ambient direct sun light rejection: 50,000 lx max
Shock packed drop test: 1.5 m / 5 ft drop onto concrete surface
Protection (dust and moisture, IEC529): IP 54

Physical specifications

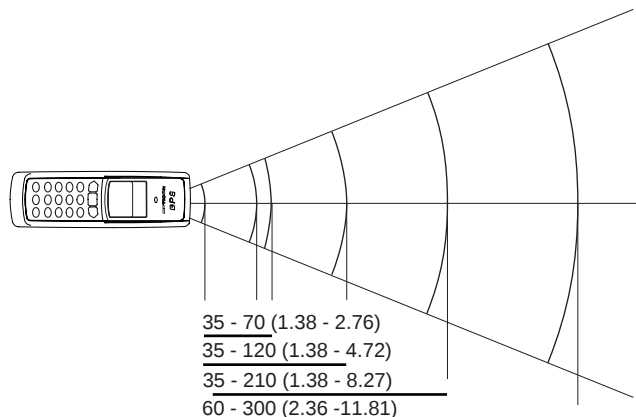
Dimensions: 140 x 44 x 22 mm / 5.51 x 1.73 x 0.87 in
Case material: ABS
Weight body: Ca. 115 g / 4.1 oz (incl. battery)

Regulatory

Laser safety class: JIS-C-6802 Class 1, IEC 60825-1 Class 1, FDA CDRH Class I
Product compliance: CE, FCC, VCCI, RoHS

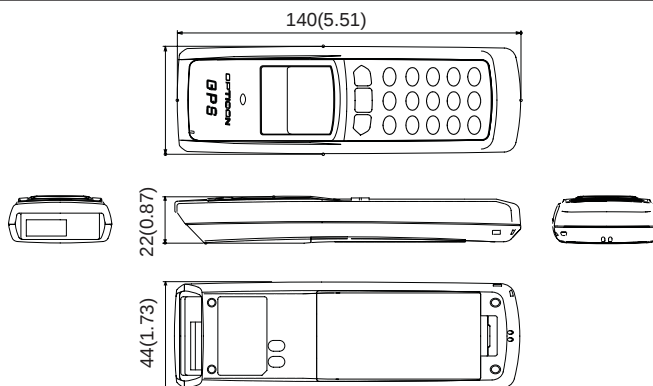
Depth of field

Unit: mm (in)



Dimensions

Unit: mm (in)



Enclosed items

Backup battery, Main battery, Handstrap

Accessories

Sold separately

CRD 9722: Single charging cradle
CRD 9723 RU: Single charging and communication cradle
CRD 9723 RU1: Multibay cradle, 1x communication, 5x charging
CRD 9723 RU5: Multibay cradle, 5x communication, 5x charging
CRD 9726: Modem cradle
CRD 9727: GSM cradle