

PHL 2700

Handheld terminal



The PHL 2700 handheld terminal has an integrated bar code laser scanner. Features are: 16 bit MPU, 8 MB memory, graphic LCD display, alpha-numeric keypad, 8 function keys and IrDA interface.

Product Features

Laser scan engine

Enables touch and variable distance reading

Rechargeable battery pack or Alkaline batteries

Long life battery

8 MB Memory available

Enables continuous working even with large data storage

Graphic display

Enables advanced applications

IrDA interface

Easy optical data transmission

Cabled

Wireless

Stationary

OEM

OPTICON
always scanning for new ID's

Specifications

PHL 2700 Handheld terminal

Electrical specifications

Main battery pack: NI-MH rechargeable

Main dry cell battery: Alkaline penlite AA-size

Main battery pack operating time: When making every 5 seconds 1 scan with 1 sec laserbeam on and 0.2 sec. green LED on and 0.2 sec. buzzer on, operating time is: approx. 40 hours

Main dry cell battery operating time: When making every 5 seconds 1 scan with 1 sec laserbeam on and 0.2 sec. green LED on and 0.2 sec. buzzer on, operating time is: approx. 78 hours

Main battery condition: Different operation conditions affect the operating time. Use of other penlite batteries affect the operating time.

Backup battery: Lithium (CR2032)

Backup battery operating time: If fully charged: 30 days backup time

Battery management: Low voltage indicated on the terminal display. When battery is low the terminal switches off automatically.

Charging method: Rechargeable NI-MH pack in terminal via cradle

Optical specifications

Light source: 650 nm visible laser diode

Scan rate: 100 scans/sec

Decode rate: 100 decodes/sec

Min. resolution at PCS 0.9: 0.15 mm / 6 mil

Depth of field: at PCS 0.9

0 - 380 mm / 0.00 - 14.96 in (res. 1.0 mm / 39 mil),

0 - 230 mm / 0.00 - 9.05 in (res. 0.5 mm / 20 mil),

0 - 140 mm / 0.00 - 5.51 in (res. 0.25 mm / 10 mil),

0 - 45 mm / 0.00 - 1.77 in (res. 0.15 mm / 6 mil)

Communication specifications

interfaces RS232: supported by cradle or optional supported by direct cable

Interface IrDA: supported on terminal

Transmission speed RS232: 1.2 - 115.2 kbps

Transmission speed IrDA: 2.4 - 115.2 kbps

Identification

Supported barcode symbologies (1D): JAN/UPC/EAN (WPC) incl. add on, Chinese Post, Codabar/NW-7, Code 39, Code 93, Code 128, IATA, Industrial 2of5, Interleaved 2of5, Matrix 2of5, MSI/Plessey-UK/Plessey, S-Code, Telepen, Tri-Optic

Functionality

Memory ROM: 32 kB

Memory FlashROM: 512 kB (for O/S and program storage)

Memory fastRAM: 2kB

Memory RAM: 8 MB battery backed up D-RAM (for data storage)

Microprocessor: 16-bit

Real time clock: Quartz RTC, time and date programmable, leap year handling, (accuracy +/- 60 sec./month)

Display: 128 x 64 Pixels graphic LCD with backlight

Character fonts: 4/8 linesx16 characters, 5/10 linesx21 characters

Keyboard: 27 keys total, 8 Function keys

Keyboard mode: Alpha/Numeric mode

Programming: Functionality is provided by user application. The application may be downloaded from PC via cable, com port or IrDA.

Environmental specifications

Temperature in operation: -10 to 40 °C / 14 to 104 °F

Temperature in storage: -20 to 60 °C / -4 to 140 °F

Humidity in operation: 20 - 80 % (non-condensing)

Humidity in storage: 20 - 90 % (non-condensing)

Ambient fluorescent light rejection: 3,000 lx max.

Ambient direct sun light rejection: 50,000 lx max.

Shock drop test: 1.5 m / 5 ft drop onto concrete surface

Shock vibration test: 10 - 50 Hz with 1G for 30 min, cycle for X,Y,Z

Protection (dust and moisture, IEC529): IP 42

Physical specifications

Dimensions: 177 x 62 x 41 mm / 6.97 x 2.44 x 1.61 in

Case material: ABS

Weight body: Ca. 175 g / 6.2 oz (excl. battery)

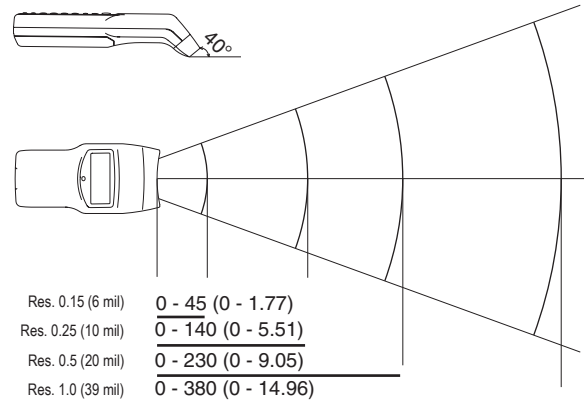
Regulatory

Laser safety class: IEC 825, Class I laserproduct

Product compliance: EN 55022, EN 55024

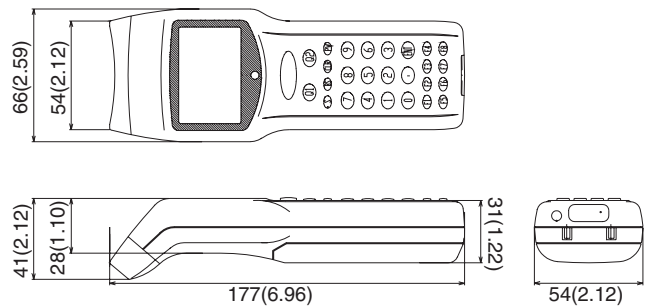
Depth of field

Unit: mm (in)



Dimensions

unit: mm (in)



Enclosed items

Backup battery, Handstrap

Accessories

Sold separately

Charging and communication station IRU 2700, NI-MH rechargeable battery pack, Holder for AA-size batteries (+optional batteries), Nylon Case, RS232 serial cable for terminal