

This supplement should be used together with the user's manual for PHL2700.

This supplement describes the RF-DC feature of the PHL2700 and provides additional information or changes of the general functioning of PHL2700-RFDC terminal in comparison to the standard PHL2700 terminal.

The exact behavior of the terminal depends on the installed user application. For instructions about applications please consult the documentation of that software.

The exact behavior of the RF station (RFS6000) is described in the user's manual for RFS6000.

Read this supplement for RF-DC and the user's manual for PHL2700 carefully before using the terminal, to maximise the efficiency of this terminal.

The changes for PHL2700 RF-DC in comparison to the standard PHL2700, (displayed in bold text) concerns:

Chapter 1	added RF-DC technology
Chapter 2	unchanged
Chapter 3	use different software
Chapter 4	unchanged
Chapter 5	unchanged
Chapter 6	updated battery specifications
Chapter 7	unchanged, for trouble shooting with RF-DC, consult the user's manual for RFS6000
Chapter 8	new terminal article code new software article code

Laser Terminal PHL 2700

with

RF - Data Communication

feature

RF-DC SUPPLEMENT

CAUTION: This user's manual may be revised or withdrawn at any time without prior notice.

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RF-DC SUPPLEMENT

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INTRODUCTION

The terminal is a compact, programmable handheld terminal, and is well suited for a variety of indoor portable applications. It has a built-in laser scanner that can scan all popular bar code labels at varying distances.

In addition, the terminal is equipped with RF-DC technology for data communication through radio frequency

For radio frequency communication with the PHL 2700 RF-DC a separate station RFS6000 is required.

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OPERATION OF THE TERMINAL

The functionality of the terminal is determined by software, the so-called user application, that is running on the terminal.

A tool for developing a user application on the PC for use on the terminal, as supplied by Opticon is:

- C language, consisting of:**
 - **Microtec ANSI-C compiler**
 - **C library for handheld terminals**
 - **RF-DC addon library**

Note!

An additional C-library for the PHL2700 with RF-DC feature has been developed, that needs to be used together with the C-compiler and C-library for handheld terminals.

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SPECIFICATIONS

6.1 SPECIFICATIONS TERMINAL

6.1.1 Electrical specifications

- Main battery
- rechargeable pack: Ni-MH
 - dry cell: Alkaline penlite
 - optional: other 2 x AA-size penlite
- Main battery operating time
- Ni-MH: When having every 10 seconds on: 2 sec laser, 0.4 sec. green LED, 0.4 sec. buzzer, 1 sec. transmitting, 1 sec. receiving, **operating time is: approx. 26 hours**
 - Alkaline: When having every 10 seconds on: 2 sec laser, 0.4 sec. green LED, 0.4 sec. buzzer, 1 sec. transmitting, 1 sec. receiving, **operating time is: approx. 51 hours**
 - 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

6.1.5 Environmental specifications

- Emission
- According to EN50081, part 1
- Immunity
- According to EN50082, part 1
- R&TTE conform I-ETS 300-220**

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**ORDERING
INFORMATION**

OPTICON
Opticon Article Code
00220000120