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Instruction manual

EUROprinter II

Infrarot (HP-Ir)



Read manual before use!



Observe all safety information!



Keep manual for future use!

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1 About this instruction manual

This instruction manual is part of the product.

- ▶ Read this manual before using the product.
- ▶ Keep this manual during the entire service life of the product and always have it readily available for reference.
- ▶ Always hand this manual over to future owners or users of the product.

1.1 Warning Terms

WARNING TERM The type and source of danger is shown here.



- ▶ Precautions to take in order to avoid the danger are shown here.

There are three different levels of warning:

Warning term	Meaning
DANGER	Imminent danger! Failure to observe the information will result in death or serious injuries.
WARNING	Possible imminent danger! Failure to observe the information may result in death or serious injuries.
CAUTION	Dangerous situation! Failure to observe the information may result in minor or serious injuries as well as damage to property.

1.2 Explanation of symbols and typeface

Symbol	Meaning
<input checked="" type="checkbox"/> m	Prerequisite for an activity
▶	Activity consisting of a single step
1.	Activity consisting of several steps
↪	Result of an activity
•	Bulleted list
Text	Indication on a display
Highlighting	Highlighting



2 Safety

2.1 Intended use

The EUROprinter II is exclusively suitable for printing.

Any use other than the application explicitly permitted in this instruction manual is not permitted.

2.2 Incorrect use

The EUROprinter II must never be used in the following cases:

- Hazardous area (Ex)
If the device is operated in hazardous areas, sparks may cause deflagrations, fires or explosions
- Use in humans and animals

2.3 Safe handling

This product represents state-of-the-art technology and is made according to the pertinent safety regulations. Each device is subjected to a function and safety test prior to shipping.

- ▶ Operate this product when it is in perfect condition. Always observe the operating instructions, all pertinent local and national directives and guidelines as well as the applicable safety regulations and directives concerning the prevention of accidents.
- ▶ Perform an overall visual inspection of the device.
- ▶ Protect the product against impact.
- ▶ Use the product only indoor.
- ▶ Insulate the product from moisture.

WARNING**Severe burns or death due to live parts.**

- ▶ Do not touch live parts with the instrument.

2.4 Qualification of personnel

The product may only be installed, commissioned, operated, maintained, shut down and disposed of by qualified, specially trained personnel.

Electrical work may only be carried out by qualified electricians in accordance with local and national regulations.

2.5 Modifications to the product

Changes or modifications made to the product by unauthorised persons may lead to malfunctions and are prohibited for safety reasons.



2.6 Usage of spare parts and accessories

Usage of unsuitable spare parts and accessories may cause damage to the product.

- ▶ Use only the manufacturer's genuine spare parts and accessories of the manufacturer.

2.7 Liability information

The manufacturer shall not be liable in any direct or consequential damage resulting from failure to observe the technical instructions, guidelines and recommendations.

The manufacturer or the sales company shall not be liable for costs or damages incurred by the user or by third parties in the use or application of this device, in particular in case of improper use of the device, misuse or malfunction of the connection, malfunction of the device or of connected devices. The manufacturer or the sales company shall not be liable for damage resulting from any use other than the use explicitly stated in this instruction manual.

The manufacturer shall not be liable for misprints.

3 Product description

3.1 Scope of delivery

The EUROprinter II set includes printer, paperroll and batteries. While unpacking, make sure that all parts are present and undamaged, and that you remove everything from the packaging. Claims for compensation due to transport damages can only be accepted, if the delivery agent is notified immediately. Please write a damage report and send it back to the supplier with the defective part(s).

3.2 Properties

The EUROprinter II is a portable, battery operated industrial printer in a robust plastic housing reinforced with fiber glass.

Due to the wide range of operating temperature (0°C till +50°C, with specified paper) the EUROprinter II is ideal for outdoor applications.

Inserting the paper is easy due to Easy Paper Loading Technology. The paper supply lid will always snap securely shut.

Intelligent power management increases the operational readiness. The printer can switch into a sleep mode that will still allow it to receive data. In sleep mode, the power consumption can be lower at times than the self-discharge of the battery.



4 Transportation and storage

CAUTION Damage to the device due to improper transportation.



- ▶ Do not throw or drop the device.

CAUTION Damage to the device due to improper storage.



- ▶ Protect the device from shock when storing it.
- ▶ Store the device in a clean and dry environment.
- ▶ Only store the device within the permissible temperature range.
- ▶ Store the device away from paint, solvent and glue.

5 Control panel



- 1 Opening lever for paper compartment lid
- 2 Key POWER / FEED
- 3 LED "STATUS" (green)
- 4 Window for IR transmitter / receiver

Image 1: Front view



6 Key function

Condition	Function
When the printer is off a brief press of the POWER / FEED button turns the printer on.	The Status indicator will illuminate and the printer mechanism will reset.
When the printer is on, press and hold the POWER / FEED button feeds the paper	As long the POWER button is pressed the paper feeds out.
When the printer is on a brief press of the POWER button turns the printer off.	The printer is switched to the Power Down Mode.
When the printer is off, press and hold the POWER button depressed for approximately 2 seconds.	The self test procedure will check most of the printer functions, except for the serial Interface, i.e: Printer mechanism, Control circuitry, Firmware version, Print quality.

7 Technical data

Parameter	Value
Print procedure	Complete fixed thermal line
Paper width	57 mm
Print speed	5 lines per second (max)
IR interface parameters	HP-IR-protocol: Baud rate 9600, 8 Data bits, 1 Stop bit, only reception
Batteries/rechargeable batteries	4 x Mignon (AA) type: LR6, connected through spring contacts
Environment	0°C to 50°C 10 % to 80 % relative humidity
Dimensions	85.5mm x 150 mm x 55 mm
Weight	app. 220 g
Housing	PC-ABS with 15 % glass fibre, like RAL 7015



8 Power Supply

8.1 Battery operation

The printer has a battery compartment for single power MIGNON (AA).

CAUTION



The EUROprinter II is secured against usual faulty operations. An explosion risk due to the insertion of a wrong battery type, a short circuit, manipulations at the battery, of temperatures above 80°C can not be excluded.

8.2 Insert Batteries

When you receive your printer, you will need to fit 4 x alkaline batteries. To do this, remove the battery cover from the base of the printer and insert the batteries, taking care to ensure the batteries are inserted correctly using the illustration guide inside the battery compartment to guarantee the batteries are correctly positioned.

9 Operation

9.1 Status messages through LEDs

LED Indication	Condition	Solution
On	Printer On	-
Off	Printer Off or Asleep	-
* * *	Paper out	Fit new paper
** **	Thermal head too hot	Allow head to cool
*** **	Battery cut-out (no charge remaining)	Replace batteries
**** **	Battery low (approx. 20% charge remaining)	Replace batteries

9.2 Opening the Paper Cup Lid

Pull the central lever on the paper cup lid upwards and forwards until it is released from its locked position. To avoid damage do not use excessive force.



9.3 Replacing Paper Roll

If the paper roll needs replacing, open the paper cup lid and remove the spool and any remaining paper. Reel off a few centimetres from a new roll of paper. Hold approximately 5cm of paper outside the printer, place the new roll into the paper reservoir with the paper feeding from the bottom front of the roll. with the leading edge over the tear bar. Close the lid by applying equal amounts of pressure on each side of the paper cup lid until the lid is in the locked position.

Which side of the thermal paper can be printed on?

Usually, the printable side of a thermal paper roll is on the outside. See "Error detection and recovery".

Which thermal paper can be used?

The printer is specified for a paper width $57,0 \pm 0,5$ mm, a roll diameter of 31 mm, a paper thickness of 60 g/m². Other papers might cause failure.

Other paper:

Adhesive Labels are connected through perforation. There is a black mark between the labels for correct positioning. This is the only type of labels that can be printed with the EUROprinter.

10 Maintenance

After larger print efforts, depending on the paper quality and adverse environmental conditions, it may be necessary to clean the print head, sensor, and the platen roll, especially, if some areas are no longer printed properly.



To protect the environment, batteries must not be disposed of together with the normal household waste. Return old batteries to the point of purchase or to a collecting point.

11 Shutting down and disposal



- ▶ To protect the environment, this device must **not** be disposed of together with the normal household waste. Dispose of the device according to the local conditions and directives.



This device consists of materials that can be reused by recycling firms. The electronic inserts can be easily separated and the device consists of recyclable materials.

If you do not have the opportunity to dispose of the used device in accordance with environmental regulations, please contact us for possibilities to return it.

12 Spare parts and accessories

Article	Art.-No.
Printerpaperrolls for Euro-Printer	522551
Label paper roll Thermo f. Euro-Printer	522666
Battery Mignon AA LR6 1,5V	521466

13 Warranty

The manufacturer's warranty for this product is 12 months after the date of purchase. This warranty shall be good in all countries in which this device is sold by the manufacturer or its authorised dealers.

14 Copyright

The manufacturer retains the copyright to this manual. This manual may not be reprinted, translated, copied in part or in whole without prior written consent.

We reserve the right to technical modifications with reference to the specifications and illustrations in this manual.

15 Adress

The addresses of our worldwide representations and offices can be found on the Internet at www.systronik.com