



# Pima™ Printer User Guide

English

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# Index of Symbols

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Attention symbol. Indicates special problems or important information. Read the accompanying text carefully.



Manufacturer



Catalogue number

NiMH

Nickel metal hydride



Battery

SN

Serial Number



To keep dry



CE Mark



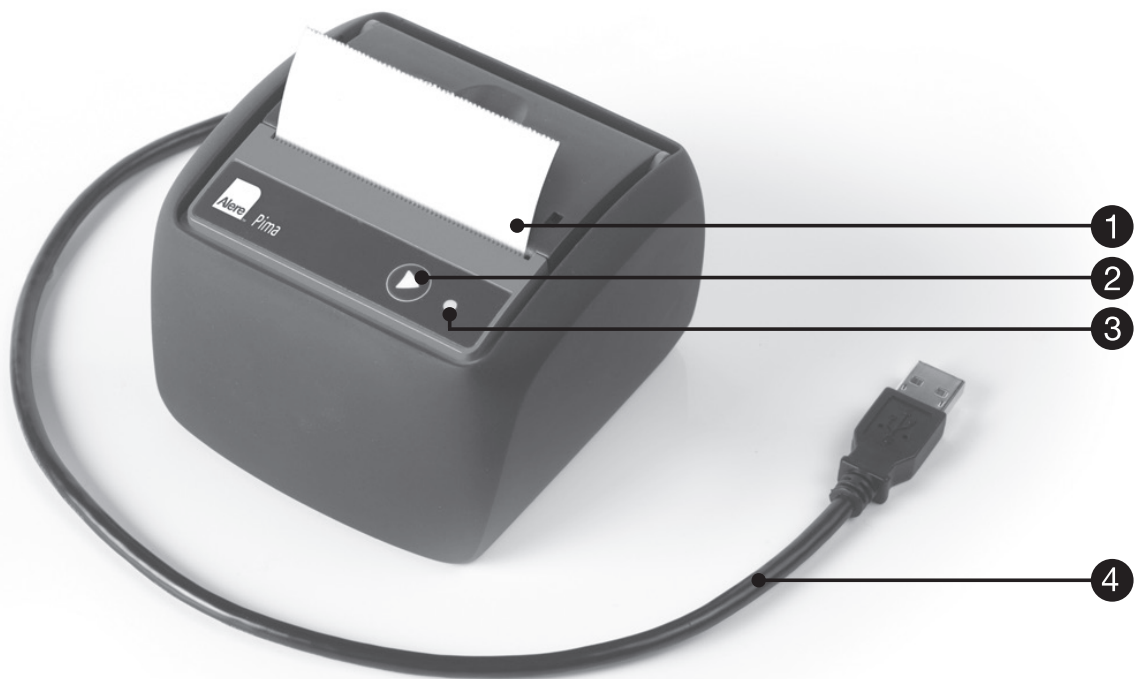
DC current

# 1 Introduction

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## Intended Use

The Pima Printer is a portable thermal printer for the Pima Analyser. Connected to and powered by the Pima Analyser via a USB port, the Pima Printer enables printing of Pima Test Reports. In addition, it contains maintenance free rechargeable batteries in case the Pima Analyser is not connected to A/C power.



- ① Thermal paper roll
- ② FEED key
- ③ Status light
- ④ USB cable

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## Pima Printer Specifications

### Pima Printer

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dimensions	L 95mm × W 93mm × H 66mm
weight	approx. 350 g incl. paper roll
print procedure	complete fixed thermal line
resolution	8 dots /mm (203 dpi), 384 dots/print line
print speed	up to 50 mm /s
batteries	4 rechargeable NiMH cells

### Operating Conditions

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operating temperature	10–40 °C
altitude	0-2000 m
relative humidity	10-95% (no condensation)
transport/ storage temperature	2–40 °C
environment	protect from direct sunlight, humidity and dust
power supply	DC with 5V, 0.5A via USB interface

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## Declaration of Conformity

The Pima Printer complies with the following standards of the EU and was tested according to EN 61326-1.

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## **Transport & Unpacking**

The Pima Printer is delivered in a cushioned transportation box.

After unpacking inspect for any obvious signs of damage.

Report any damage immediately to your local distributor.

Allow temperature equilibration for at least 30 minutes before connecting to the Pima Analyser to ensure that the printer has reached surrounding temperature.

## **Maintenance & Cleaning**

The Pima Printer is a maintenance free device. If cleaning of the housing is needed, use a fibre free cloth moistened with a mild detergent or a disinfectant. Before cleaning, disconnect the printer from the Pima Analyser and remove paper roll.

Do not clean the inside of the Pima Printer.

- ❗ Before installing and using the printer in combination with the Pima Analyser, carefully read the Pima Analyser User Guide.
- ❗ Whenever possible recharge the Pima Printer together with the Pima Analyser.

## 2 Operation

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### Installation

All printing processes are controlled by the Pima Analyser.

Connect the Pima Printer by inserting the USB plug of the printer cable into one of the two USB ports located at the back of the Pima Analyser. Start the Pima Analyser and the Analyser will automatically detect the Pima Printer.

- ❗ If the Pima Analyser does not automatically recognise the Pima Printer, disconnect the printer from the USB port and reconnect it with the Analyser. Should the Analyser still not recognize the Pima Printer shut down the Pima Analyser and restart with the Pima Printer attached.

The status light on the right side of the FEED key indicates functionality of the Pima Printer. The light may be flashing or constantly illuminated. When the printer is disconnected from the Pima Analyser, the status light will cease to be illuminated after a short while.

- Green light: the printer is fully functional and ready to print (when connected to the Pima Analyser)
- Orange light: the printer battery is low (recharge the Pima Printer via the Pima Analyser)
- Red light: the printer is not ready to print (in general this occurs when the printer is out of paper; if the condition persists despite replacement of printer paper, please contact your local distributor).

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## Printing

Printing is possible immediately after the successful connection of the Pima Printer to the Pima Analyser. All printing is controlled via the Pima Analyser user interface. Please refer to the Pima Analyser User Guide for more information.

## Replacement of Printer Paper

Upon delivery, the Pima Printer is provided with one roll of thermal paper. If the paper roll is finished, a new roll needs to be inserted into the paper compartment of the printer.

- Open the lid of the printer by slightly pulling the lever inside upwards.



- Completely open the lid to expose the paper compartment and remove the empty paper roll.





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- Unwind approx. 10 cm of paper from a new roll and hold the layers tightly wound. Put the new paper roll in the paper compartment, making sure that the outside is turned towards the printer mechanism.



- Make sure to pull the paper tight before closing the lid.



- Press on the centre of the lid until it audibly snaps into place. The paper can be torn off at the tear-off edge without the lid opening up and without the paper sliding through the print head.



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## Printer Paper

Upon delivery, the Pima Printer is provided with one roll of thermal paper. Please use thermal paper provided for Pima Printers only. For order information, please refer to the REF numbers below or contact your local distributor.

REF	Product	Description
260400009	Pima Printer Paper I	thermal paper roll, width 56,5±0,5mm, thickness 60 µm, printing image stability min. 5 years (when stored dry and UV-light protected), for approx. 100 Pima Test Reports, set of 10 rolls
260400010	Pima Printer Paper II	thermal paper roll, adhesive, width 56,5±0,5mm, thickness 120 µm, printing image stability min. 15 years (when stored dry and UV-light protected), for approx. 50 Pima Test Reports, set of 10 rolls

! For further information contact your local distributor.

## Safety Warnings

- ❗ Do not use the Pima Printer other than described in this user guide.
- ❗ The Pima Printer should not be used, if
  - the housing has been damaged
  - smoke is coming from the inside of the printer
  - the printer ceases to function
- ❗ Any unauthorized tempering with the Pima Printer can cause potential hazards and will invalidate warranty claims.
- ❗ Only use rechargeable NiMH cells with the Pima Printer.
- ❗ Use Pima Printer in combination with Pima Analyser only indoors when connected to A/C power.  
When used outdoors disconnect from mains and avoid direct contact with liquids of any kind.
- ❗ For disposal of the Pima Printer please contact your local distributor.

## Technical Support

For Technical Support please contact your local distributor or call the respective number for your region:

Europe:	+44 161 483 9032	EMEprouductsupport@alere.com
Africa:	+27 21 5315 999	Afrisupport@alere.com
Asia Pacific:	+61 7 3363 7166	au.techsupport@alere.com
India:	+91 11 45089400	technical.service@alere.com
Latin America:	+57 2 6618916 +57 2 6618797	la.techsupport@alere.com
Russia & CIS:	+972 8 9429 683	Tsupport@orgenics.co.il

For information on optional peripheral equipment and accessories, please view at **[www.alerehiv.com](http://www.alerehiv.com)**



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