



**Abbott**

# **USB PRINTER USER GUIDE**

**EN**



## INDEX OF SYMBOLS



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



Manufacturer



Catalogue number



Consult instructions for use

NiMH Nickel metal hydride



Battery



Serial Number



To keep dry



CE Mark

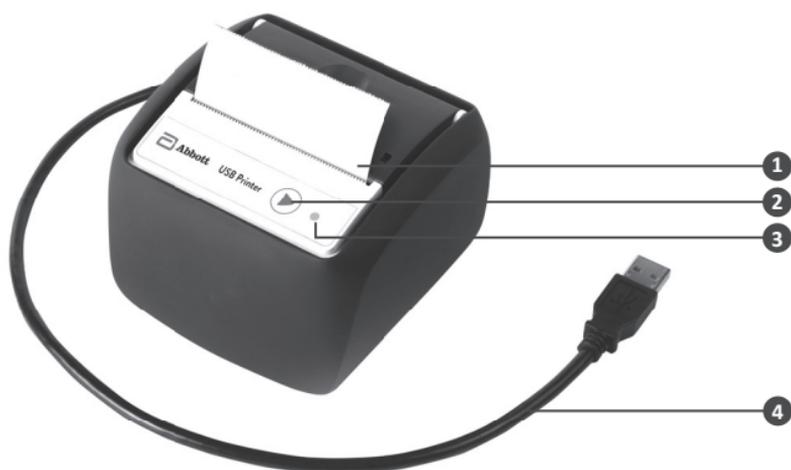


Direct current

# 1 INTRODUCTION

## Intended Use

The USB Printer is a portable thermal printer for the m-PIMA™ Analyser and the Pima™ Analyser. Connected to and powered by the analyzer via a USB port, the USB Printer enables printing of test reports. It contains maintenance-free rechargeable batteries.



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

## Specifications

### Printer

Dimensions	L 95 mm × W 93 mm × H 66 mm
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, AA HR6, 1.2 V

### Operating Conditions

Operating temperature	10 - 40 °C
Altitude	0 - 2000 m
Relative humidity	10 - 95 % (no condensation)
Transport/ Storage temperature	2 - 50 °C
Environment	protect from direct sunlight, humidity and dust
Power supply	DC with 5 V, 0.5 A via USB interface

## Declaration of Conformity

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

## Transport & Unpacking

The USB 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 analyzer to ensure that the printer has reached surrounding temperature.

## Maintenance & Cleaning

The USB 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 analyzer and remove paper roll.

Do not clean the inside of the USB Printer.

- ❗ Before installing and using the printer in combination with the m-PIMA™ Analyser or the Pima™ Analyser, carefully read the m-PIMA™ Analyser User Guide (UG-m-PIMA-01) and the Pima™ Analyser User Guide (UG-PIMA-01), respectively.
- ❗ Whenever possible recharge the USB Printer together with the m-PIMA™ Analyser or the Pima™ Analyser.

## 2 OPERATION

### Installation

All printing processes are controlled by the analyzer. Connect the USB Printer by inserting the USB plug of the printer cable into one of the two USB ports located at the back of the analyzer. Start the analyzer and the instrument will automatically detect the USB Printer.

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

The status light on the right side of the FEED key indicates functionality of the USB Printer. The light may be flashing or constantly illuminated. When the printer is disconnected from the analyzer, 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 analyzer)
- **Orange light:** the printer battery is low (recharge the USB Printer via the analyzer)
- **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).

## Printing

Printing is possible immediately after the successful connection of the USB Printer to the analyzer. All printing is controlled via the analyzer user interface. For more information please refer to the m-PIMA™ Analyser User Guide (UG-m-PIMA-01) and the Pima™ Analyser User Guide (UG-PIMA-01), respectively.

## Replacement of Printer Paper

Upon delivery, the USB 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.



- 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.



## Printer Paper

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

REF	Product	Description
26040R009	Printer Paper I	Set of 10 rolls, thermal paper, width $56.5 \pm 0.5$ mm, thickness $60 \mu\text{m}$ , printing image stability min. 5 years (when stored dry and UV-light protected), for approx. 65 m-PIMA™ Test Reports or approx. 100 Pima™ CD4 Test Reports
26040R010	Printer Paper II	Set of 10 rolls, thermal paper, adhesive, width $56.5 \pm 0.5$ mm, thickness $120 \mu\text{m}$ , printing image stability min. 15 years (when stored dry and UV-light protected), for approx. 30 m-PIMA™ Test Reports or approx. 50 Pima™ CD4 Test Reports

❗ For further information contact your local distributor.

## Safety Warnings

- ❗ Do not use the USB Printer other than described in this user guide.
- ❗ The USB 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 tampering with the USB Printer can cause potential hazards and will invalidate warranty claims.
- ❗ Use the USB Printer in combination with m-PIMA™ Analyser or Pima™ Analyser only indoors when connected to A/C power. When used outdoors disconnect the analyzer from mains and avoid direct contact with liquids of any kind.
- ❗ For disposal of the USB 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 & Middle East:	+44 161 483 9032	EME.techsupport@abbott.com
Africa:	+27 10 500 9700	ARCIS.techsupport@abbott.com
Asia Pacific:	+61 7 3363 7100	AP.techsupport@abbott.com
Latin America:	+57 1 482 4033	LA.techsupport@abbott.com
Russia, and the Commonwealth of Independent States (RCIS):	+44 161 483 9032	ARCIS.techsupport@abbott.com

For more information on m-PIMA™ and Pima™ products, please view [www.globalpointofcare.abbott](http://www.globalpointofcare.abbott)



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