

Wireless label printer “plusoptiX P12“

With following Plusoptix instruments, labels can be printed with “plusoptiX P12“:

- Mobile Pediatric Autorefractor plusoptiX **A12C and A12R**
- Mobile Vision Screener plusoptiX **S12C and S12R**
- Pediatric Autorefractor plusoptiX **A16**
- Vision Screener plusoptiX **S16**



User manual

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Plusoptix GmbH
Neumeyerstrasse 48
90411 Nuremberg
Germany
www.plusoptix.com



Please read this user manual before using the “plusoptiX P12” for the first time! It explains how the device functions.

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Description

The “plusoptiX P12“ is a wireless, battery-operated thermal printer with infrared interface. It is not included in the scope of delivery and has to be ordered separately.



Attention:

The printer drivers are pre-installed on all “plusoptiX 12” devices from the supplement “01D” in the serial number (Example: S/N 120xS-**01D**-xxxx xxxx). Because of the technical design, devices with older serial numbers are not compatible. There are no limitations in “plusoptiX 16” devices.

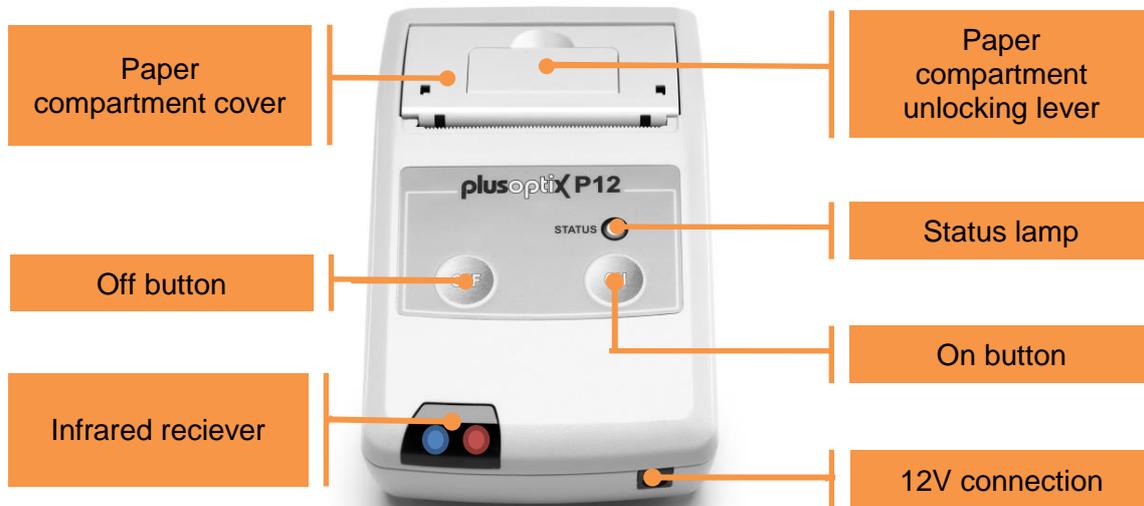


Figure 1: Top of “plusoptiX P12“



Following switching-on, the status lamp flashes green and the printer is ready for operation. If it does not flash, the rechargeable batteries have to be charged (see "Inserting and charging rechargeable batteries").



If the status lamp flashes red, the paper compartment is not properly closed or a new roll of paper has to be inserted.



If the blue control lamp in the infrared receiver is illuminated, data is received by the Plusoptix device.



If the red control lamp is illuminated, the rechargeable batteries are being charged.

1. Checking scope of supply

The scope of delivery includes the “plusoptiX P12“, four rechargeable Nickel-metal hydride NiMH/AA HR6 batteries and a roll of self-adhesive labels.



For charging the batteries, use the medical power supply MES30B-3P1J. That is the same power supply that is also used for charging the batteries of the Plusoptix device.

2. Inserting and charging rechargeable batteries



Attention:

If you insert batteries other than those supplied, you should exclusively use rechargeable Nickel Metal Hydride NiMH/AA HR6 batteries with a capacity of at least 1900 mAh and a quick-charge rate of min. 1 A.

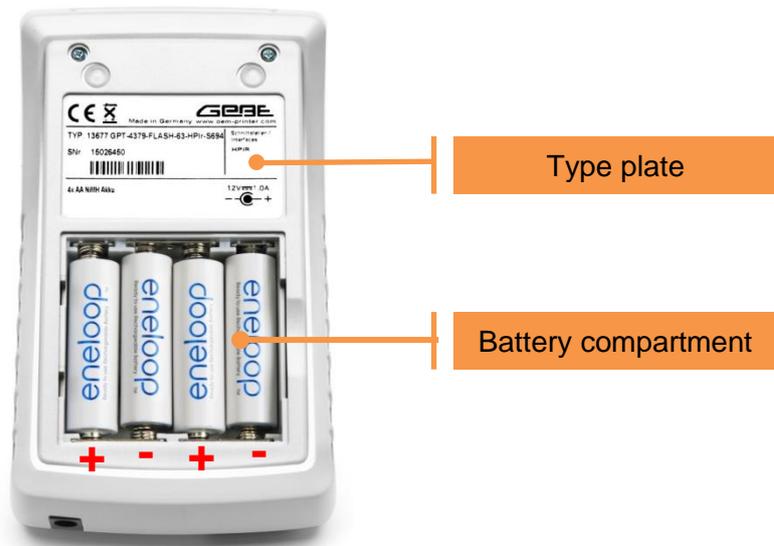


Figure 2: Bottom of “plusoptiX P12“

Inserting the batteries:

- Place the top side of the printer on a flat working surface
- Then remove the battery compartment cover with a 1-Cent coin and
- Insert the supplied batteries.



Note:

Ensure when inserting the rechargeable batteries, that the plus and minus battery contacts are at the correct side. If you insert one or more batteries incorrectly by mistake, the printer will not switch on.

Charging the rechargeable batteries:



Attention:

For charging the rechargeable batteries, exclusively use the power supply MES30B-3P1J supplied with your Plusoptix device.

To charge the batteries use the medical power supply unit MES30B-3P1J. This is the same power supply unit that is also used to charge the batteries of the Plusoptix device.

Once you have inserted the batteries, close the cover of the battery compartment and place the printer in front of you. Now connect the medical power supply with the power cable to the power socket and check if it is live (the green LED on the top of the medical power supply is on). Following this, connect the medical power supply to the printer.

The inserted batteries are now automatically charged. During the charging process, the red control lamp in the infrared receiver is on. The maximum battery charging time of the supplied batteries is 4.5 hours.

3. Inserting paper

Open the paper compartment by slightly lifting the unlocking lever on the paper compartment cover.



Figure 3: Open cover and insert paper

Unwind a little paper from the roll, so that approx. 1 inch protrudes from the paper compartment. Ensure that the paper layers remain tightly wrapped about the roll core. Then place the paper roll in the paper compartment as shown. After this, close the cover of the paper compartment by pressing down on the cover. The cover engages audibly.



Note:

Use only original paper available from Plusoptix or a Plusoptix authorised dealer.

4. Switching printer on and off

To switch on, briefly press the On button. The printer starts immediately and is ready for operation as soon as the status lamp flashes green.

When not used, the printer automatically switches off after approximately 10 minutes. To switch it off manually, keep the Off button depressed for 3 seconds.

5. Printing

After each measurement with the Plusoptix device, any number of labels for documenting the measurement results can be printed out. To do so, align the Plusoptix device with the infrared receiver of the printer. The distance between Plusoptix device and the printer should be approximately 1 m (3,28 ft). As soon as you touch the printer symbol on the screen of the Plusoptix device, the data is transmitted and a label is printed out. To confirm the transmission, a blue control lamp lights up in the infrared receiver. Keep the device directed at the printer until the blue control lamp turns off.



Note:

If the infrared transmission is interrupted during a printing order the print-out of the label is also interrupted. To obtain a complete print-out a new printing order has to be sent.

6. Cleaning

If the print quality should deteriorate it is necessary to clean the printing head, paper sensor, tear-off edge and drive roller. To do so:

- Open the cover of the paper compartment and remove the paper roll.
- If paper dust has accumulated in the paper compartment, clean it out with a vacuum cleaner with fitted brush
- Clean the printing head and the drive roller with an ear bud lightly soaked in isopropanol alcohol (IPA).

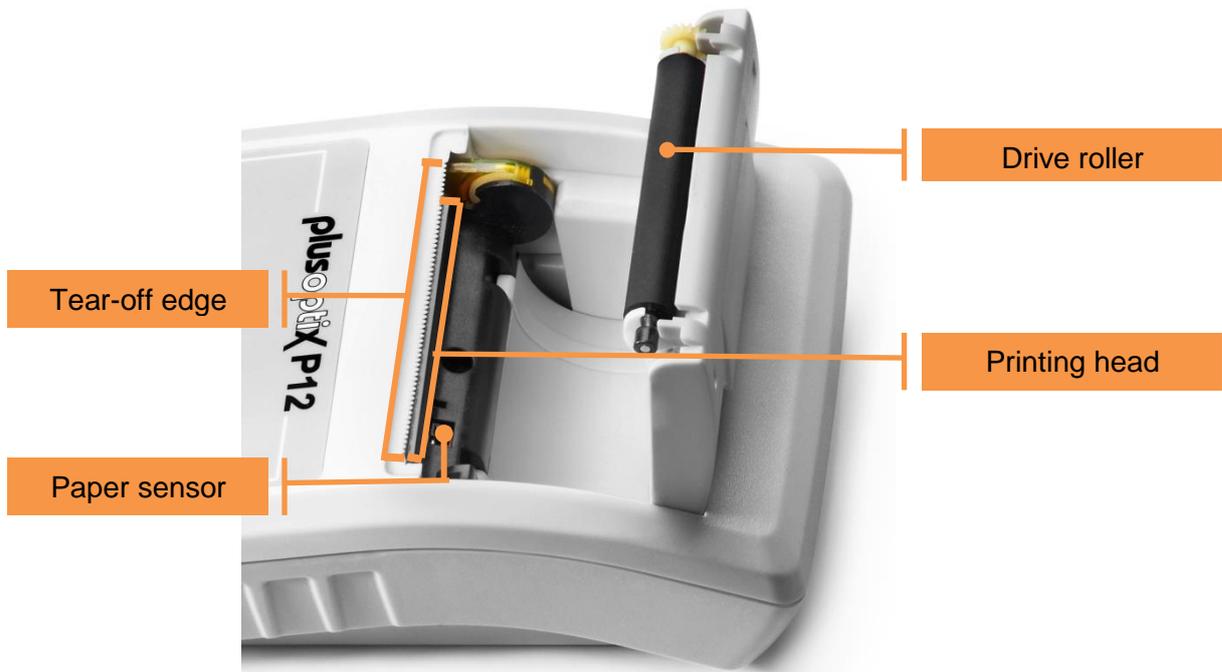


Figure 4: Cleaning the “plusoptix P12”

7. Technical details



Attention:

For charging the rechargeable batteries, exclusively use the power supply MES30B-3P1J supplied with your Plusoptix device.

Interface	IR-receiver	
Storage	Temperature	0 to +50°C
	Humidity	10 to 80% non-condensing
Operation	Temperature	+10 to +50°C
	Humidity	20 to 80% non-condensing
Dimensions	Dimensions	159.6 x 89.6 x 45.6 mm (6.28 x 3.53 x 1.8 in)
	Weight	0.35 kg (12.35 oz)
Power supply (MES30B-3P1J)	Input	110 to 240 VAC (50 to 60 Hz), 0.8 A
	Output	12 VDC, 2.5A
Rechargeable batteries (Panasonic BK – 3MCCE 1,2V)	Type/Size	Nickel-metal hydride NiMH/AA HR6
	Power/Quantity	1900 mAh/4 each