

## WIRELESS IR LABEL PRINTER PLUSOPTIX P12

User Manual



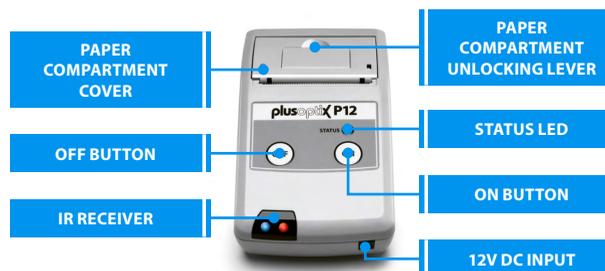
Compatible with:

**Binocular Autorefractor**  
 plusoptix A12C  
 plusoptix A12R  
 plusoptix A16

**Vision Screener**  
 plusoptix S12C  
 plusoptix S12R  
 plusoptix S16

### APPLICATION

The "plusoptix P12" is a wireless, battery-operated thermal printer with infrared (IR) interface.



- STATUS LED**
  -  After switching on, the status lamp flashes green and the printer is ready for operation. If it does not flash, the rechargeable batteries need charging (see sections "INSERTING THE BATTERIES" and "CHARGING THE BATTERIES").
  -  If the status lamp flashes red, the paper compartment is not properly closed or a new roll of paper has to be inserted.
- IR RECEIVER**
  -  If the blue control lamp in the infrared receiver is illuminated, data is being received by the Plusoptix device.
  -  If the red control lamp is illuminated, the rechargeable batteries are charging properly.

### ITEMS INCLUDED

The "plusoptix P12" comes with four rechargeable Nickel Metal Hydride (NiMH/AA HR6) batteries and a roll of self-adhesive labels (72 labels per roll). The labels can be ordered at your authorized Plusoptix dealer or via the contact form "Reordering labels" on plusoptix.com.

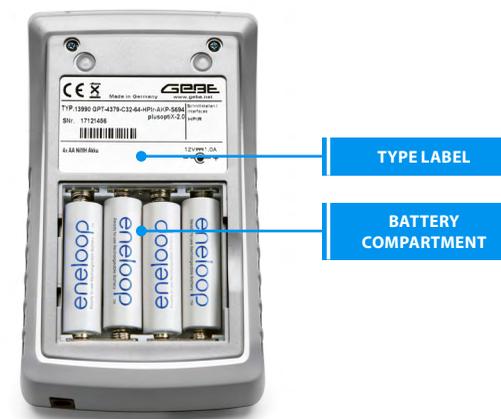


**Attention:** A power supply is NOT included. To charge the rechargeable batteries, only use the power supply GSM36P12-P1J supplied with your Plusoptix device.

### INSERTING THE BATTERIES



**Attention:** If you insert batteries other than those supplied, you should only use rechargeable Nickel Metal Hydride NiMH/AA HR6 batteries with a capacity of 1,900 - 2,100 mAh and a quick-charge rate of a minimum of 1 A. These batteries can be ordered at your authorized Plusoptix dealer.



- ✗ Remove the battery compartment cover using a small coin.
- ✗ Please insert the batteries as instructed. If one or more are inserted incorrectly, the printer will not switch on.
- ✗ Close the battery compartment cover.

### CHARGING THE BATTERIES



**Attention:** A power supply is NOT included. To charge the rechargeable batteries, only use the power supply GSM36P12-P1J supplied with your Plusoptix device.

Connect the medical power supply with the power cable to the power outlet and look for the green light. Now connect the medical power supply to the 12 V DC input of the printer.

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

## INSERTING PAPER

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



Unwind a little paper from the roll so about one inch protrudes from the paper compartment. Ensure the paper layers remain tightly wrapped around the roll core. Place the paper roll in the compartment as shown. Close the cover by pressing down and it will snap into place.



**Note:** Use only original labels, available from Plusoptix or an authorized dealer. They can be ordered by contacting us or by visiting [plusoptix.com](http://plusoptix.com), click the "Support" dropdown and fill out the "Reordering labels" form.

## PRINTING

After each measurement with the Plusoptix device, any number of labels for documenting the measurement results can be printed out. Please note, once you return to the home screen with the "plusoptiX 12R", the label can no longer be printed. In the "plusoptiX 12C" and "plusoptiX 16", the label can be printed again after retrieving it from the database.

Align the Plusoptix device with the IR receiver of the printer. The distance between device and the printer should be approximately 1 m (3.3 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 on the IR receiver. Keep the device directed at the printer until the blue control lamp turns off.



**Attention:** If the IR transmission is interrupted while printing, the print-out of the label is incomplete. To obtain a complete print-out, simply print the label again.

## 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.



The printer will switch OFF automatically after 10 minutes of non-use. To switch it OFF manually, keep the OFF button depressed for 3 seconds.

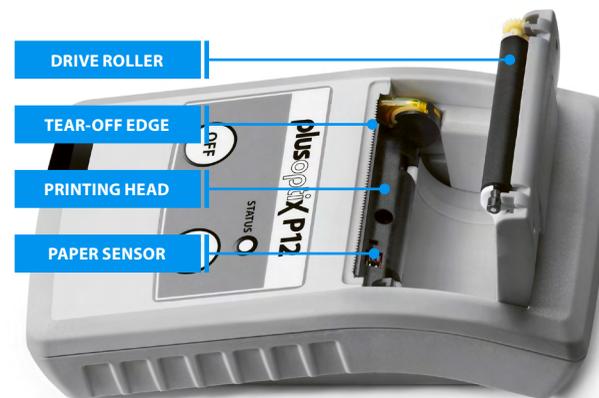
## CLEANING



**Attention:** Use Bacillol 30 tissues, Clorox Healthcare wipes or Teccare Control tissues to clean the surface of your Plusoptix device. They are approved to clean our devices.

If the print quality deteriorates, it is necessary to clean the printing head, paper sensor, tear-off edge and drive roller.

- ✗ 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 a fitted brush or with compressed air.
- ✗ Clean the paper sensor, printing head and the drive roller with a fitted brush or compressed air.



<b>Patient's name or ID</b>	<b>*06/24/2015</b>	
OD	Refer	OS
+0.75 dpt	Sphere	+0.25 dpt
-0.75 dpt	Cylinder	-2.25 dpt
176°	Axis	87°
5.8 mm	Ø pupil	4.5 mm
Pupil distance		56 mm
Gaze asymmetry		7.6 °
ROC 1, Ver. 7.0.4.0		01/31/2018
<b><a href="http://www.plusoptix.com">www.plusoptix.com</a></b>		

Self-adhesive label in actual size 2.91 x 1.92 in (74 x 49 mm)

## SPECIFICATIONS

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 (GSM36P12-P1J)	Input	110 to 240 V AC (50 to 60 Hz), 0.8 A
	Output	12 V DC, 2.5A
Rechargeable batteries (Panasonic BK - 3MCE 1,2V)	Type / Size	Nickel Metal Hydride NiMH/AA HR6
	Power / Quantity	1900 m Ah/4 each

**For further information concerning Plusoptix products, references, and studies, please visit our website.**

**[plusoptix.com](http://plusoptix.com)**