

EasyOne Air: Printing Reports

Y. Baud, July 2024

1. Scope

This document describes how reports can be printed to a PDF file or on a printer compatible with the EasyOne Air. You can find a list of compatible printers below.

2. Printing to a PDF File

The EasyOne Air can print reports to a PDF file on the *exchange* drive on the EasyOne Air. The PDF printouts can then be accessed on a PC when the spirometer is connected via USB. Note that no special software is needed for this function.

2.1 Setup

Start the EasyOne Air and select *PDF printer* under *Tools / Settings / Print*.

2.2 Procedure

- Connect the EasyOne Air to a PC (via cradle or directly) using a USB cable. Usually, a pop-up window displaying the *exchange* drive opens automatically.
- If no pop-up window appears on the PC, try opening the *exchange* drive manually. E.g., on Windows 11, by selecting *This PC / EasyOne Air / exchange*.
- On the EasyOne Air, select an item under *Reports*. Click *Print*.
- Wait until the PDF file has been created. Then click *OK*.
- On the PC, select the desired PDF printout, store the file, or print it out. The file name contains date and time of the report.

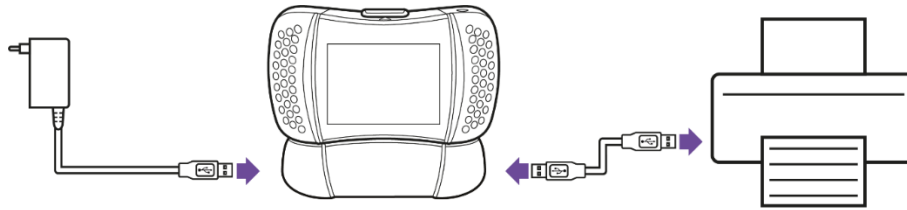
3. Printing Directly on Plain Paper

3.1 Setup

Connect the EasyOne Air to a printer. There are two possible setups:

- connection to printer with USB-cable from cradle (preferred setup),
- direct connection from EasyOne Air to printer with USB-cable.

In the picture below, the EasyOne Air is connected to a printer (on the right) and a battery charger (on the left) via the cradle:



Start the EasyOne Air and select *External printer* under *Tools / Settings / Print*. Configure additional settings, such as page size or margins, if needed. Please also consult the section “Setting Up the Physical Components” in our Operator’s Manual.

3.2 Procedure

- Select an item under *Reports*. Click *Print*.
- Wait until the report has been printed. Then click *OK*.

4. Printing Directly on Thermal Paper

4.1 Setup

Start the EasyOne Air and select *Thermal printer* under *Tools / Settings / Print*. Connect the printer to the EasyOne Air (via cradle or directly) using a USB cable. The printer uses a mini-USB connector, so one of the following solutions is required:

Solution 1: Use a USB 2.0 **OTG** (On-The-Go) cable, type Micro A to Mini B.



Solution 2: Use the USB A cable that can be ordered with the EasyOne Air together with the following adapter (purchased separately):

Micro USB 2.0 OTG adapter cable – USB A female to Micro USB B male.



4.2 Procedure

- Select an item under *Reports*. Click *Print*.
- Wait until the report has been printed. Then click *OK*.

5. Printer Compatibility

There is a large choice of printers on the market, each supporting different print formats (or languages). Printers must support at least one of the following formats:

1. Direct PDF
2. HP PCL 3 Enhanced protocol
3. HP PCL3GUI (requires EasyOne Air firmware \geq V1.10.0)

The table below provides a list of printers¹ that have been tested to date. Printers known to be available on the market at present are highlighted in blue. Note that some printers do not work with the EasyOne Air even though they support the print languages listed above.

Manufacturer	Model	Printing language	Comments
HP	Color LaserJet CP1515n	PCL	
HP	DeskJet 6940	PCL	Tested black and white only
HP	LaserJet 500 M551 color	PDF	Very high print quality
HP	LaserJet Pro M203dw	PDF	Very high print quality
HP	HP LaserJet Enterprise M506	PDF	Black and white printer. Prints PDFs via Postscript in grayscale.
HP	OfficeJet 150 Mobile All-in-One	PCL	
HP	OfficeJet 200 Mobile	PCL	Very fast. Color printer.
HP	OfficeJet 8210	PDF	
HP	OfficeJet H470	PCL	High quality. Compact printer.
HP	OfficeJet Pro 251dw	PDF	Very high print quality
HP	OfficeJet Pro 6230	PCL3GUI	Color print
HP	PageWide Pro MFP 477dw	PDF	Very high print quality. Very fast.
HP	DeskJet 2130 All-in-One series, Deskjet Ink Advantage 2020, 2130, 2700 series	PCL3GUI	
HP	DeskJet 1110	PCL3GUI	
HP	DeskJet 1112	PCL3GUI	
HP	DeskJet 3639	PCL3GUI	
HP	DeskJet 3755	PCL3GUI	
HP	LaserJet 4250n	PCL	
Lexmark	M5155	PDF	
OKI	C531dn	PCL	Very high print quality. Output scaled 95% of original size.
TSC	ALPHA-4L	TSPL	Thermal printer, 112mm (4.4") wide paper roll, 203 DPI, optionally battery-operated
TSC	DA200	TSPL	Thermal printer, 112mm (4.4") wide paper roll, 203 DPI

¹This list is purely informative. ndd is not affiliated with any of the printer manufacturers mentioned in this list.