ŪXPort

PRINT & SHARE

Results Log Data from Any Ūson Tester

Owner's Manual

Ūson

for good measure

Document No. 029060.M Rev. 1.0

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Chapter 1
Safety

1.1 Introduction

This section explains the warnings and cautions that should be observed before using, setting up, or operating the UXPort; however, there may be additional safety alerts covered at relevant points throughout the manual. Please read this manual in its entirety before using, setting up, or operating the UXPort. Should any point remain unclear, contact your supplier for assistance before proceeding.

1.1.1 Safety Alert Symbols

WARNING: Informs users of potentially hazardous situation, such as personal injury or death and/or severe equipment damage, if instructions are not followed.

CAUTION: Informs user of potential hazards to equipment if instructions are not followed and may invalidate the warranty.

NOTE: Helps user perform task.

1.2 Safety Precautions

Observe the following Warnings/Cautions before installing or using this product or associated equipment.

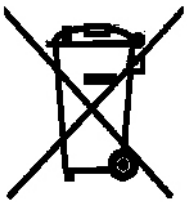
WARNINGS

- If the equipment is used in a manner not specified in this manual, the protection provided by the equipment may be impaired, and may void warranty.
- The power supply to the equipment must be switched off and disconnected before servicing, wiring, etc.
- Use the appropriate cables provided with the product.
- Do not use a power cable other than that specified.
- Always connect the earth cable. Connection or removal of the earth cable must be conducted with the power plug removed from the electrical outlet.

1.3 WEEE Material Disposal

Uson is committed to meeting the requirements of the European Union (EU) Waste Electrical and Electronic Equipment (WEEE) Directive. Uson products that are within the scope of the Directive are labelled with a crossed-out "wheelie-bin" symbol, as required by the Directive. It indicates that the product was placed on the market after August 13, 2005 and that end users should segregate the product from other waste at end-of- life.

The detailed requirements vary considerably throughout the EU, and the Uson WEEE compliance approach varies among countries.



Chapter 2
Introduction

2.1 Overview

Uson's UXPort is a time-saving device used to extract, batch, and format results log data from specific Uson tester (s) to your laser printer and/or Windows shared drive. It's designed with user-friendly touchscreens, pre-formatted reports, and comprehensive setup guides for an easy-to-use operation and effortless setup.

Figure 2–1 shows a UXPort connected to a Uson Sprint iQ tester and a printer.

Figure 2–1: UXPort Setup Example

The UXPort is supplied with the following components (see *Figure 2–2*):

- UXPort
- Power Supply Adapter and Cable - USB to C
- USB to RS232 Connection Cable
- User manual on USB drive

If any component is missing, please contact Uson:1-855- GET-USON (438-8766) or service@uson.com. *Please have unit serial number available.*

Figure 2–2: UXPort Overview

*** Case Not Included**

2.2 Specifications

Product	UX Port
Description	Tester to Printer/Windows Share Drive Interface
Product Types	Wall Mount or Free Standing
Case Enclosure Dimensions	7.75 “ x 4.5 “ x 1.75 “
Case Enclosure Material	Heavy-Duty Plastic
Display Size	5” x 7” touch screen LCD
Display Resolution	720 x 480 Pixels
Communication	USB, RS 232
Power Supply	5V and 3.2A
Power Ports	USB-C
Supported Outputs	RS232 Serial Port
Operating System	Raspbian 10 (Buster)
Language	English
Compatible Uson Testers	Qualitek mR, Optima vT, Sprint iQ, Sprint mD
Report Template Output	A4 & Standard Letter

Due to a program of continuous development, specifications may be changed without notice.

Chapter 3
Setup & Operation

3.1 Environmental/Location Requirements

- The UXPort operates in a temperature range of 5°C to 40°C (41°F to 104°F), with a humidity range of 0 to 90% non-condensing.
- The UXPort should be placed on a horizontal support, free from vibration, where there is free access to the front display and connections.

3.2 Setup

Setting up the UXPort Requires the Following Steps:

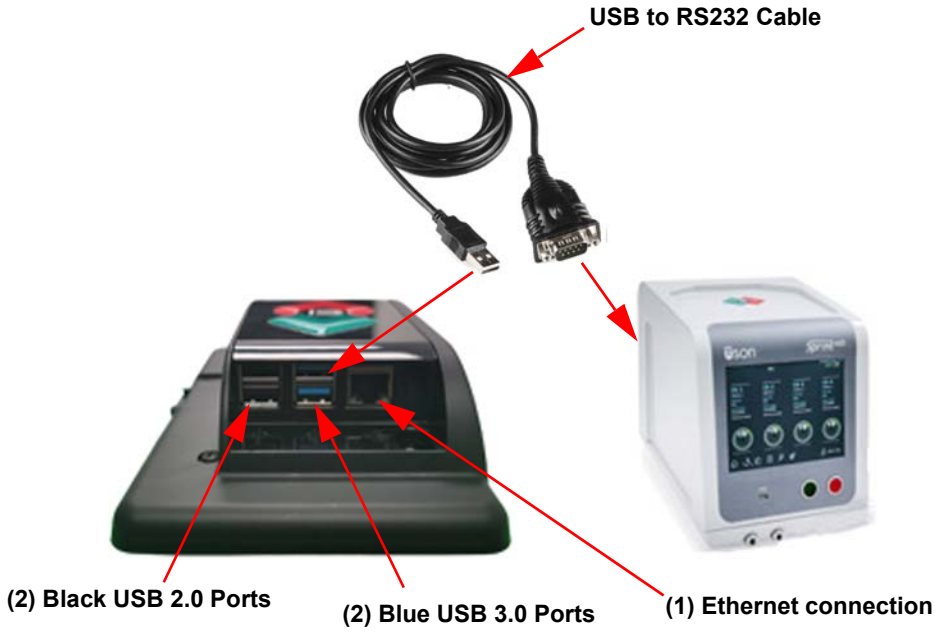
- Connecting the Tester to the UXPort
- Connecting Your Printer/Keyboard (if applicable)
- Connecting the Power Supply
- Configuring Your Printer (if not using recommended *HPColor LaserJet Pro M454dn* printer)
- Setting Up Windows Share (if applicable)
- Editing PDF Report Settings (if desired)
- Configuring Localization Settings (if applicable)
- Configuring for Offline Use (if applicable)

3.2.1 Connecting to Tester

To Connect Your Uson Tester(s) to the UXPort:

1. Before proceeding, make sure to have the following devices (not included): keyboard and printer (if using), preferably an *HPColor LaserJet Pro M454dn*.
2. Configure your tester's serial port to: **9600-8-N-1**.
3. Connect the USB end of the USB to RS232 cable (included) to either one of the UXPort's blue USB 3.0 ports, and the RS232 connection end to your tester's RS232 port. See *Figure 3–1* for an example UXPort hookup to a Uson tester (Sprint mD).

Figure 3–1: Connecting UXPort to Uson Tester Example



3.2.2 Connecting to Printer/Keyboard

To Connect the UXPort to a Printer/Keyboard:

1. If using a printer, connect the printer to any USB connection on the UXPort (see figure *Figure 3–1*). If using the recommend HP Color LaserJet Pro M454dn printer, you don't need to configure the printer. If not using the recommended printer, then you will need to configure the printer. See *"Configuring Your Printer" on page 3-4.* for details.
2. If using a keyboard, connect the keyboard to any USB connection on the UXPort (see figure *Figure 3–1*).

3.2.3 Connecting to the Power Supply

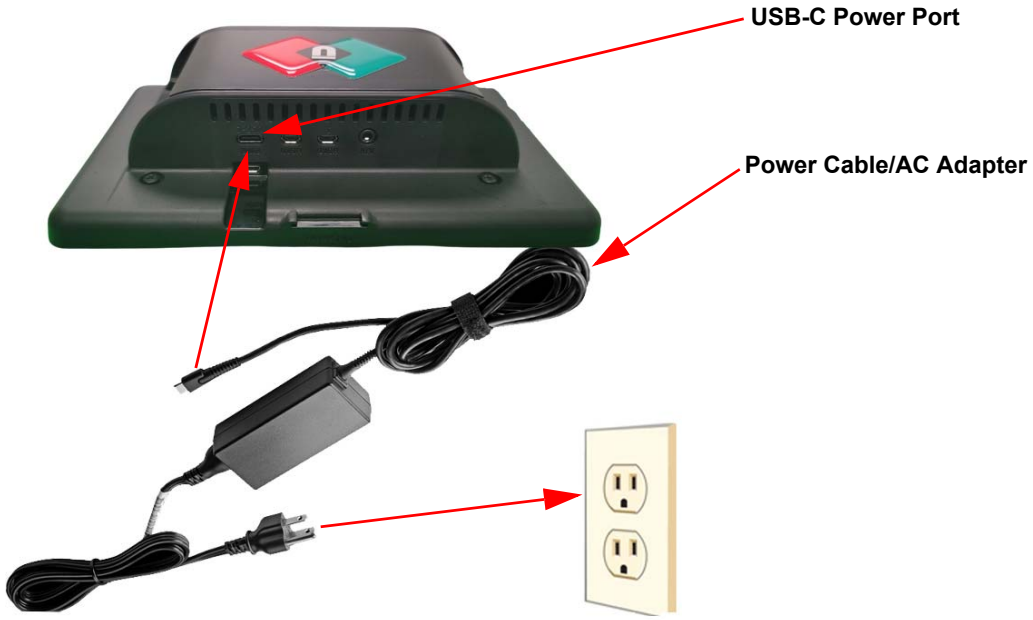
WARNING: Before connecting or disconnecting the AC adapter, turn off all devices connected to it and unplug the power cord.

To Connect the UXPort to the Power Supply:

1. Plug the USB end (of the provided power adapter cable) into the USB-C power port on the top of the UXPort. See *Figure 3–2*.
2. Plug the other end of the power cable (of the AC adapter) into the wall outlet.

3. Once power is connected, the UXPort automatically starts the boot up process (i.e., no on/off switch). Once the boot up process is complete, the UXPort displays the operating system desktop for a few seconds, then launches the main operating screen (see *Figure 3–10*).

Figure 3–2: Connecting UXPort to Power Supply



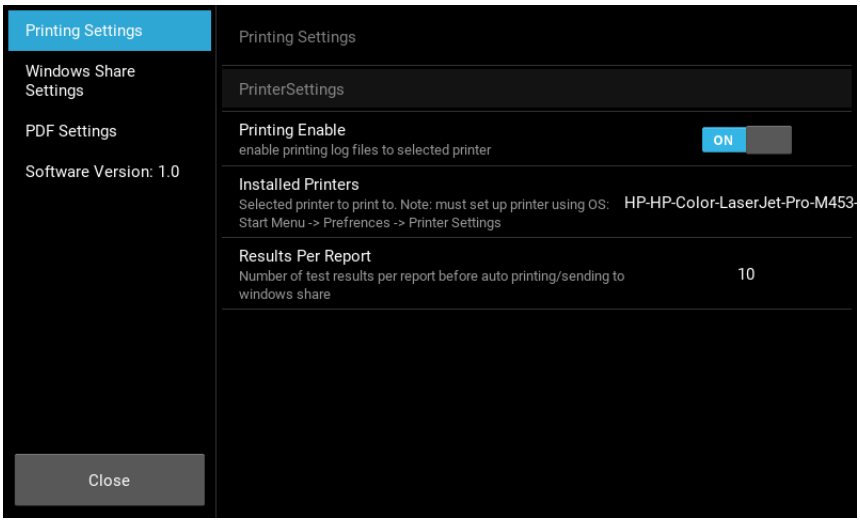
3.2.4 Configuring Your Printer

If you are using the recommended HP Color LaserJet Pro M454dn printer, you can skip this section. If not, you'll need to configure your printer.

To Configure Your Printer:

1. Connect the printer to a UXPort USB connection (see *Figure 3–1*), and then plug it in.
2. Connect a keyboard to one of the UXPort's USB connections.
3. Press **Escape** to enter the UXPort's Operating System desktop.
4. Navigate to **Start menu > Preferences > Print Settings**.
5. On the pop-up, select **Add**, then follow the dialogs to set up the printer driver.
6. Launch the **UXPort application** by running the **run.sh** script.
7. On the UXPort's main screen, select **Settings** (see *Figure 3–10*).
8. Select the **Printing** settings tab (on the left).
9. Enable **Printing**, as shown in *Figure 3–3*.
10. Select "**Installed Printers**" (*Figure 3–3*) to see the list of detected printers and select the **Desired printer**.
11. Select **Close** to exit back to the main screen. (Your settings are now applied.)

Figure 3–3: UXPort Application - Printing Settings



3.2.5 Setting Up Windows Share

CAUTION: Do not enable windows share until all settings are correct. The UXPort will attempt to connect as each setting is changed, and if it's unable to connect, an error message/code will display.

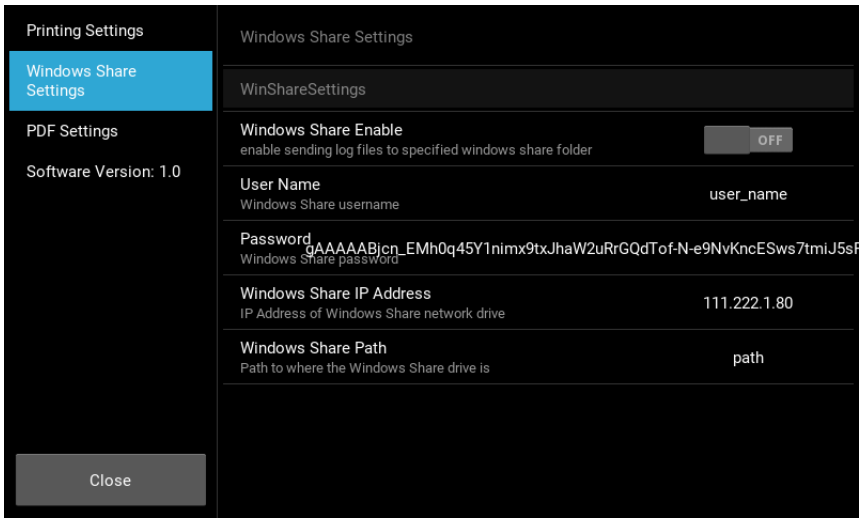
To Setup Windows Share (refer to *Figure 3–4*):

1. On the UXPort's main screen, select **Settings**.
2. Select the **Windows Share Settings** tab (on the left).
3. Select **User Name** to set the Windows Share User Name.
4. Select **Password** to set the Windows Share Password.
5. Select **Windows Share IP Address** to set the Windows Share IP Address.
6. Select **Windows Share Path** to set the set the path where the test results will stored on the windows share server.
7. Enable **Windows Share**.

CAUTION: Once windows share is enabled, the UXPort attempts to connect to the windows share server. If it's unable to connect to the windows share server, an error message/code displays. If an error occurs, disable windows share and then revisit the Windows Share settings to make appropriate changes needed to fix the error(s).

8. Select **Close** to exit to the main screen. (Your settings are now applied.)

Figure 3–4: Windows Share Screen



3.2.6 Editing PDF Report Settings

NOTE: The UXPort only changes the report format; test result data format changes are done through the tester.

To Edit PDF Report Settings:

1. Navigate to **Settings > PDF Settings** (see *Figure 3–5*).
2. The following report format changes are available to edit by selecting anywhere on the row to open the edit popup, or for toggle switches (i.e., on/off), selecting the switch to toggle it on or off (see *Figure 3–5* and *Figure 3–6*):
   - Date Format.
   - Result Font Size.
   - Result Double Spacing.
   - Signoff Field Enable, Font Size, and two Signoff labels for wet signatures (on bottom of the report).
   - Station Information Enable, Font size, with two Labels and Value pairs (on the top of each page).

Figure 3–5: PDF Report Settings Screen 1

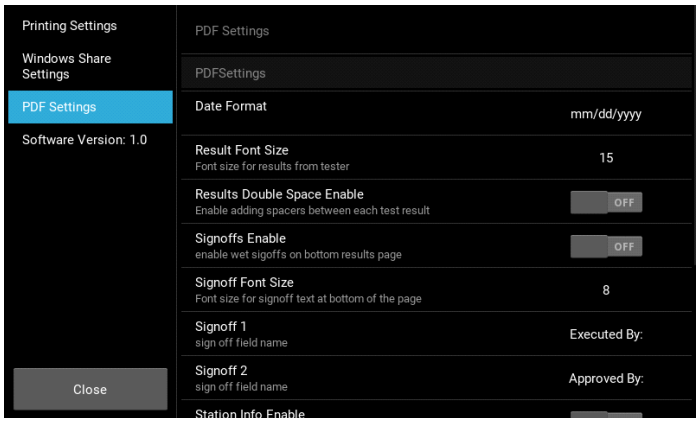
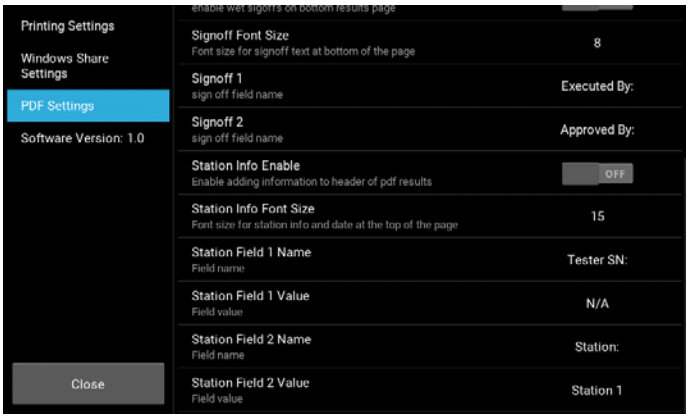


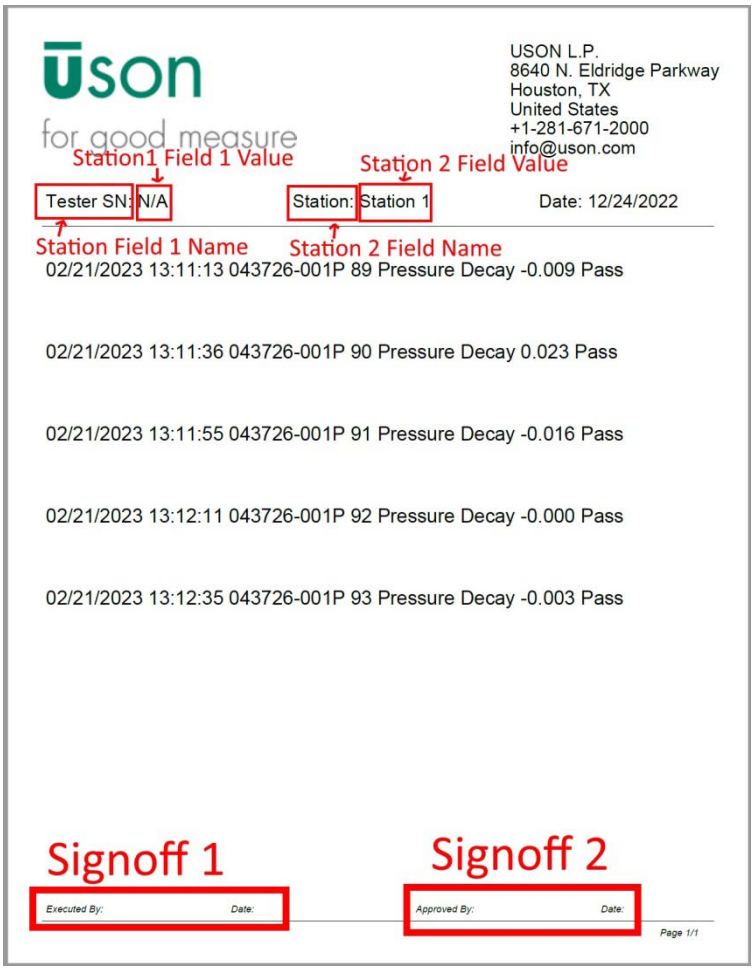
Figure 3–6: PDf Report Settings Screen 2



3. When finished making changes, select **Close** to exit the settings menu. **All changes are automatically saved as you make the changes.**

Figure 3–7 shows an example report.

Figure 3–7: UXPort Example Report



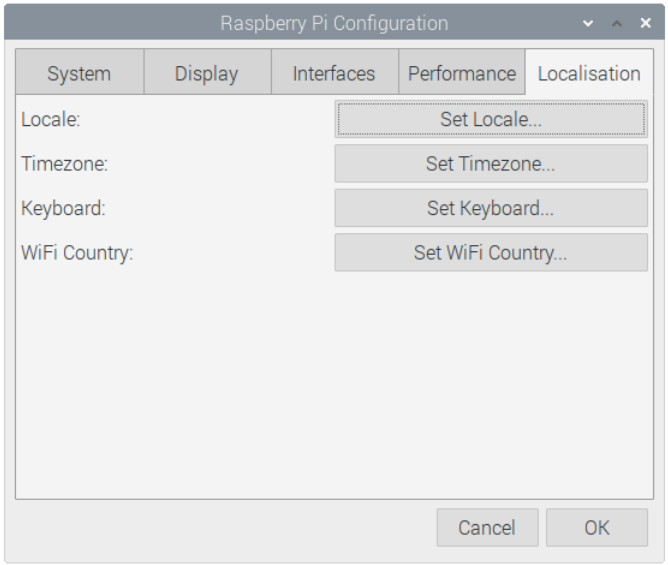
3.2.7 Configuring Localization Settings

Use the Localization screen to change language, time zone, date, keyboard. and WIFI Country settings.

To do this:

1. Connect a **keyboard** to the UXPort (see *Connecting to Printer/Keyboard*).
2. Press **Esc** to exit the UXPort application.
3. Select **Start > Preferences > Raspberry Pi Configuration** to open the configuration menu, as shown in *Figure 3–8*.
4. In the configuration menu, select the **Localization** tab:
   - **Set Locale:** Select to change language settings. (**Note:** The UXPort application currently only supports English.)
   - **Set Timezone:** Select to change Time zone settings.
   - **Set Keyboard**: Select to configure Keyboard settings.
   - **Set Wifi Country:** Select to configure Wifi Country.
5. Select **Ok** to save settings or **Cancel** to exit without saving.

Figure 3–8: Localization Settings Screen



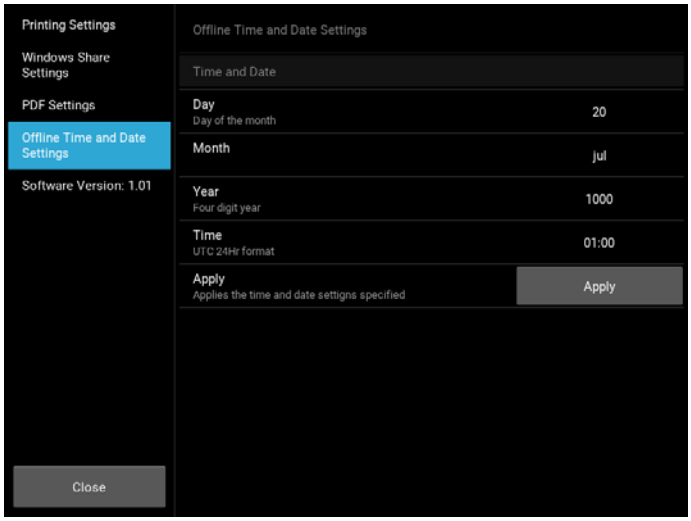
3.2.8 Configuring for Offline Use

If operating the UXPort offline, the time and date need to be configured to ensure the report's header (if enabled) displays them correctly:

To do this:

1. In the UXPort application, select **Settings**.
2. Select the **Offline Time and Date Settings** tab (see *Figure 3–9*).
3. Set the **Day, Month, Year, and Time** (in UTC and in the 24hr format).
4. Select **Apply**.
5. Select **Close** to exit the Settings screen.
6. If an error occurs, a popup error message displays. Fix the errors and select **Apply** again.

Figure 3–9: Offline Time and Date Settings Screen



3.3 Operation

- Once the UXPort powers up into the home screen, it's ready to start collecting test results for printing/sharing.
- Under **Num Results Per Report**, enter the desired **Number of Results Per Report** you want the UXPort to collect. The UXPort automatically prints and/or sends the test result pdfs to the windows share server once the set number of results entered is reached; however, this can be disabled by selecting the **Auto Print** toggle switch to **OFF**.
- To print and/or send to windows share the currently collected results, select **Print & Clear**. **Note:** *The currently collected results will be cleared once printed/sent.*
- See *Figure 3–10* and *Figure 3–11*.

Figure 3–10: UXPort's Main Screen

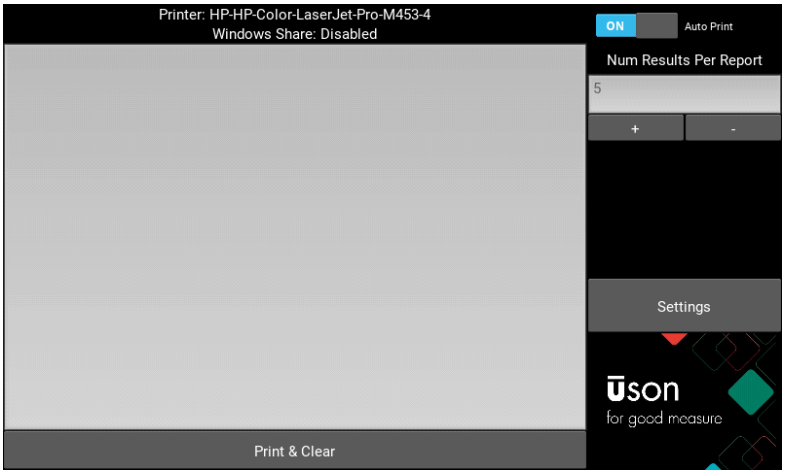
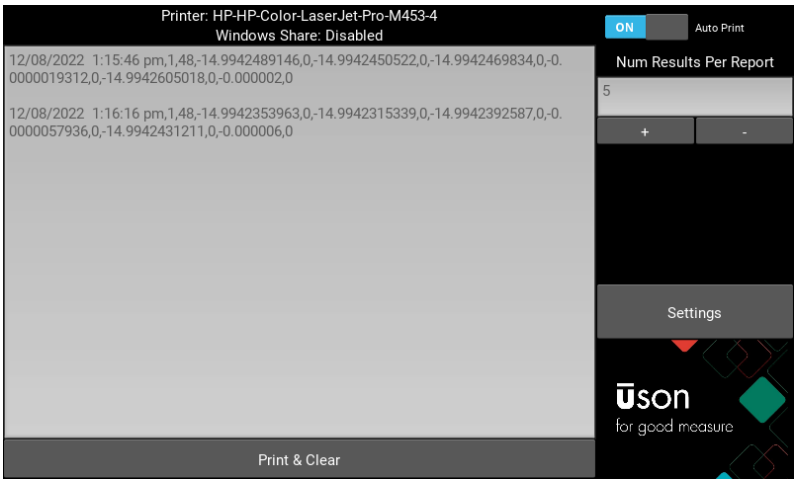



Figure 3–11: UXPort Collected Results Example