

User Guide

MeterToolX



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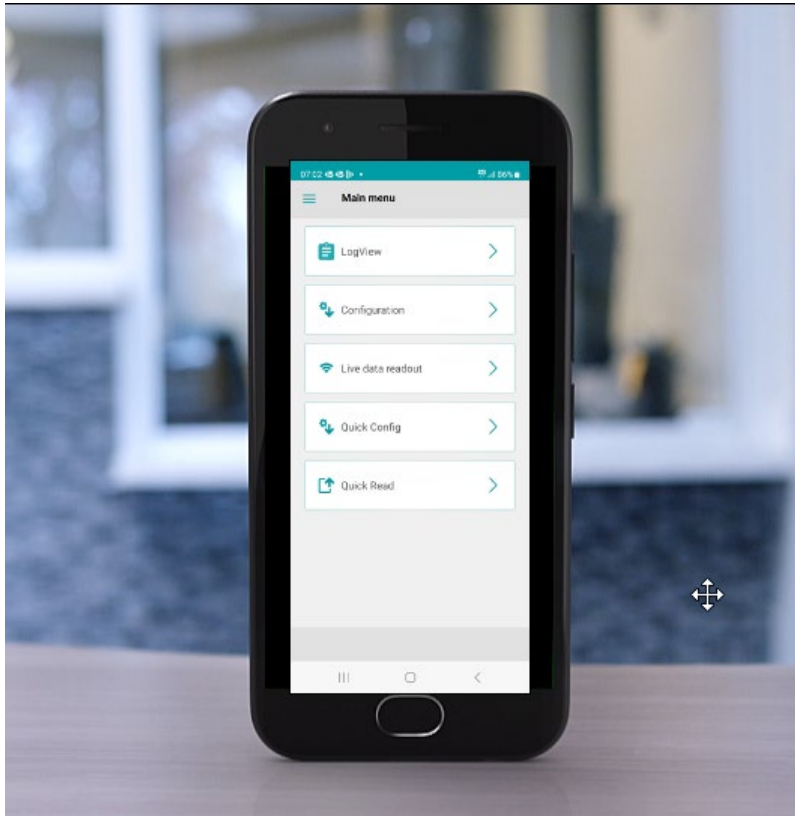
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1. Introduction

MeterToolX is an application for Android devices that assists you with onsite meter tasks.

The application enables you to configure and read the log of Kamstrup's heat, cooling and water meters. Log readings can be displayed in the application or exported for further analysis.

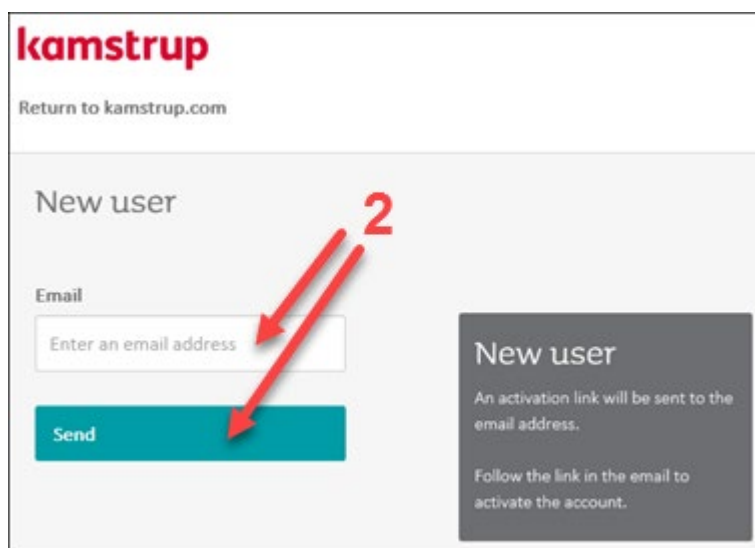


2. Installation and login to MeterToolX

To log in to MeterToolX you need a My Kamstrup login. If you already have a My Kamstrup login, go to “2.2 How to install and log in to MeterToolX”. Otherwise follow the steps below to create a My Kamstrup login.

2.1 How to create a My Kamstrup login

1. Go to <https://account.kamstrup.com/create/>.
2. Enter the email address you want to use for your My Kamstrup login, and click **Send**:



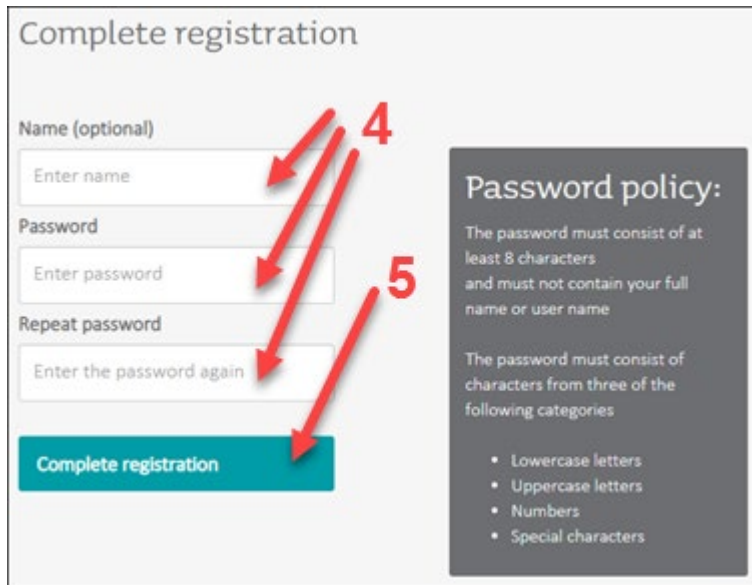
The screenshot shows the Kamstrup website's registration page. At the top left is the Kamstrup logo and a link to 'Return to kamstrup.com'. The main heading is 'New user'. Below it is an 'Email' field with the placeholder text 'Enter an email address'. A red arrow labeled '2' points to this field. Below the field is a teal 'Send' button, also pointed to by a red arrow labeled '2'. To the right of the form is a grey box with the text: 'New user', 'An activation link will be sent to the email address.', and 'Follow the link in the email to activate the account.'

An email with a registration link will now be sent to the specified email address. If you cannot find the email, check your SPAM folder.

3. Open the email from Kamstrup and click the registration link:



4. Enter your **Name** and the desired password in the **Password** and **Repeat password** fields.
5. Click **Complete registration**:

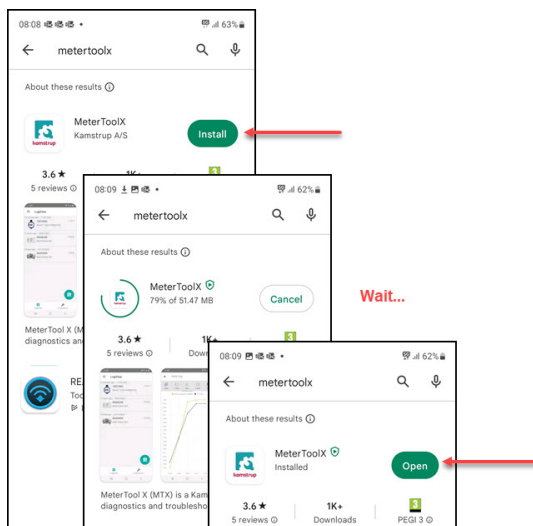


You now have a My Kamstrup login. Make sure to remember your password.

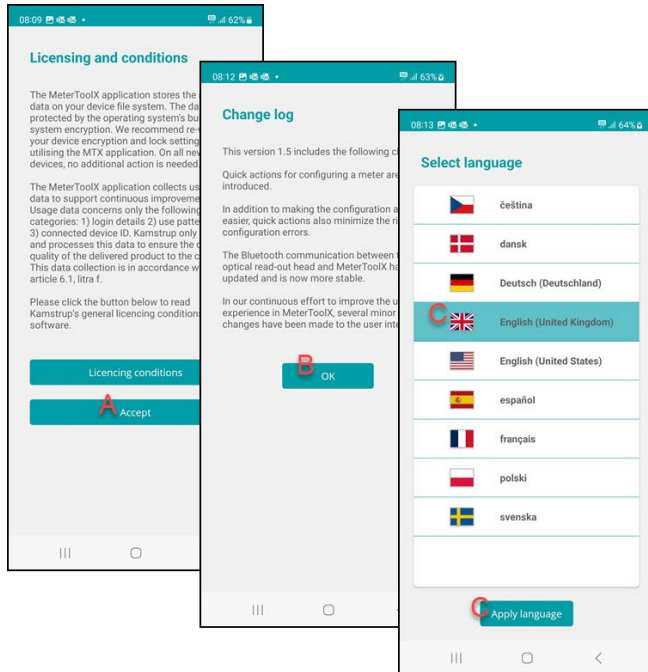
2.2 How to install and log in to MeterToolX for the first time

Use the following procedure to install and log in to MeterToolX on your Android smartphone or tablet:

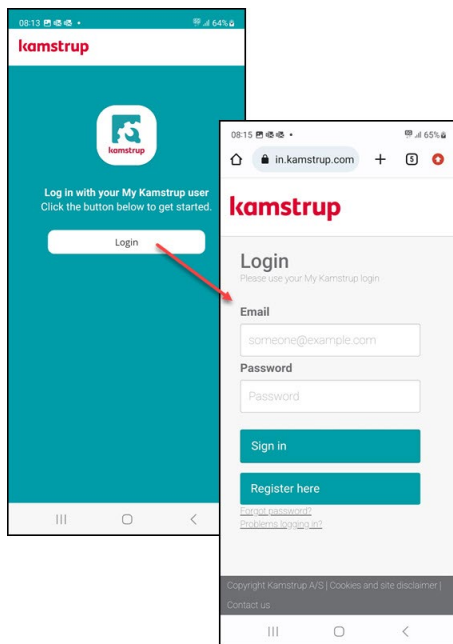
1. Go to Google Play and download MeterToolX:



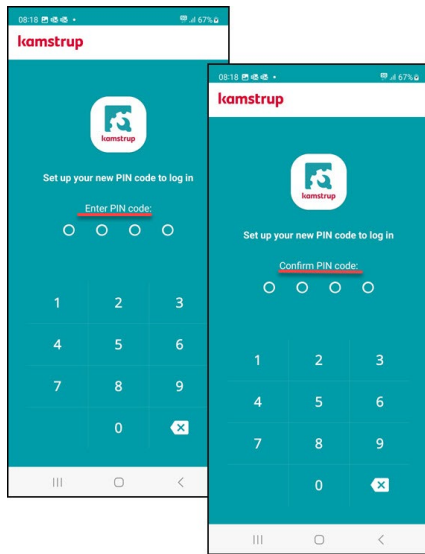
- Accept the licence conditions (A), tap **OK** to the change log (B), select your language and tap **Apply language** (C):



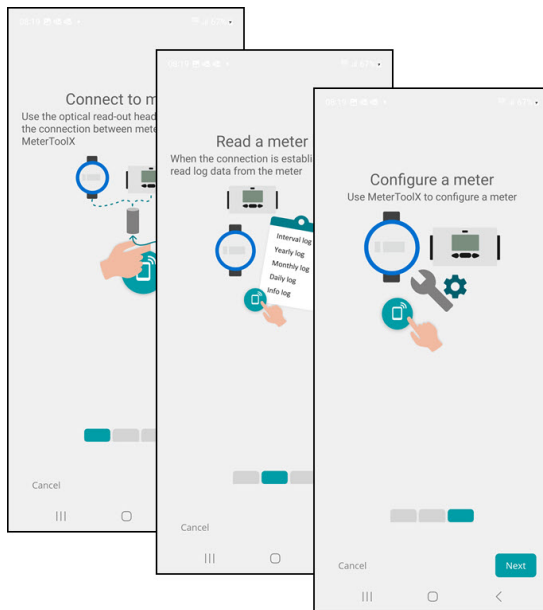
- Tap **Login** and enter the My Kamstrup login created in section 2.1. Then tap **Sign in**:



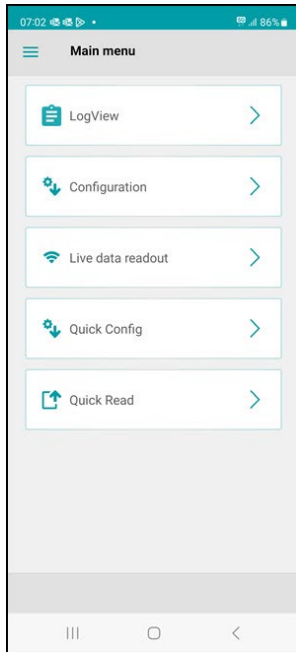
4. Enter a PIN code for MeterToolX, and repeat it to confirm:



5. Click **Next** on the three info pages about MeterToolX:



The main menu now appears, and you are ready to use MeterToolX:



3. Connecting to a meter

To use MeterToolX, you need to connect to the meter whose log you want to read or that you want to configure.

You connect to Kamstrup meters using an optical readout head. Follow the relevant procedure be-

low depending on whether you have a [Bluetooth](#)  or a [USB](#)  optical readout head:

Note Using the USB optical readout head requires a USB adaptor:

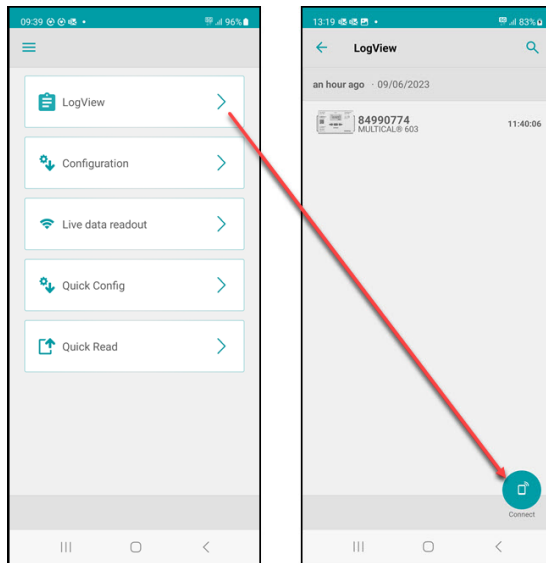


3.1 How to connect using Bluetooth optical readout head

1. Turn on the optical head and wait until the LEDs stop flashing.
2. Place the optical head on the meter (key ring pointing away from the display):



3. In MeterToolX, tap the desired option in the main menu and click connect:



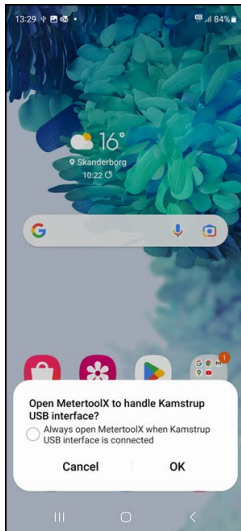
Wait for the connection to be established. It may take a little while if you have not connected to this optical head before.

3.2 How to connect using USB optical readout head

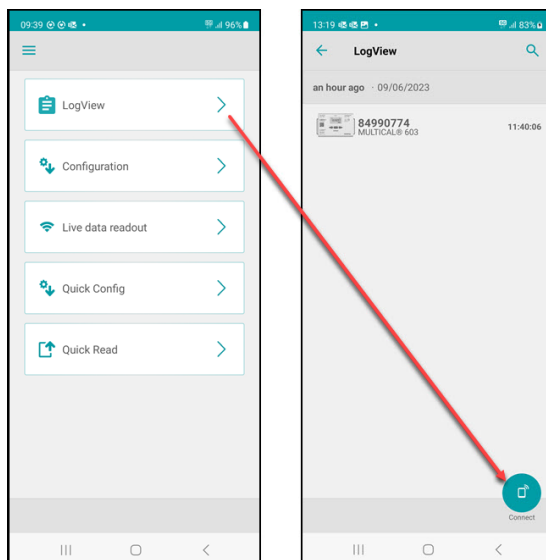
1. Place the optical head on the meter (cable pointing away from the display) and plug it into your Android device by using a USB adaptor:



- In the message that appears, tap **OK** to open MeterToolX:



- In MeterToolX, tap the desired option in the main menu and click connect:




Wait for the connection to be established. It may take a little while if you have not connected to this optical head before.

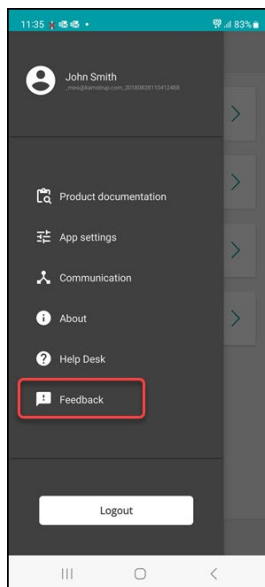
4. Log reading

There are two ways of reading the log of a meter:

- Normal log reading: You select the type of log, time period and the exact values you want to read.
- Quick reading: You select a file with a predetermined set of log options to quickly read the log. This is particularly useful if you need to read the log of many meters.

MeterToolX comes with default quick reading files for a number of meter types (and more will be added over time).

It is possible to buy customer-specific quick reading files that can be uploaded on-the-fly to your instance of MeterToolX. If you are interested, send your request to Kamstrup (for example by using the **Feedback** option that appears when you tap  in the upper-left corner of the MeterToolX main window:

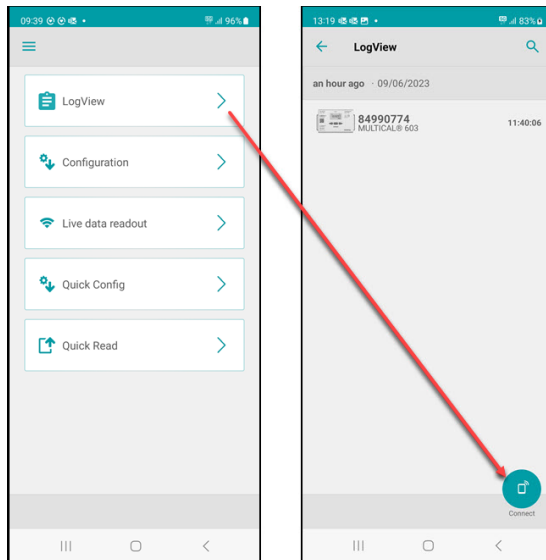


Once you have read the log of a meter, you can share it by email if desired.

4.1 How to read the log of a meter

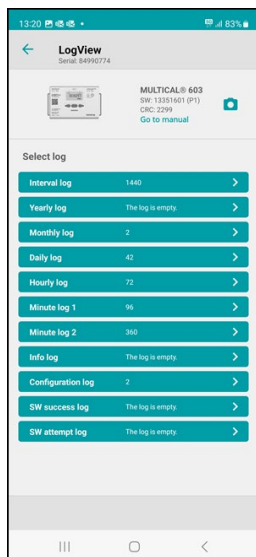
Use the optical head as described in the previous chapter, and follow the steps below to read the log of a meter:

1. In MeterToolX, tap **Logview** in the main menu and tap **Connect** to connect to the meter:

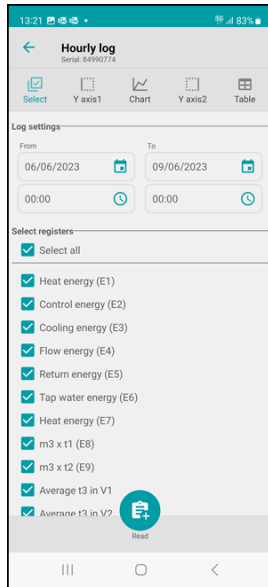


Wait for the list of available logs to be generated.

2. Select the log you want to read:

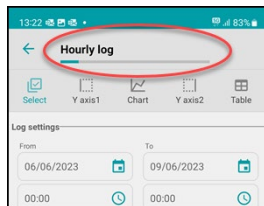




3. Select the time period and the registers you want to read:



4. Click **Read** :

Wait for the log to be read. You can follow the reading via the process bar at the top of the window:



5. Tap **Chart**  or **Table**  at the top of the screen depending on how you want to see the data:

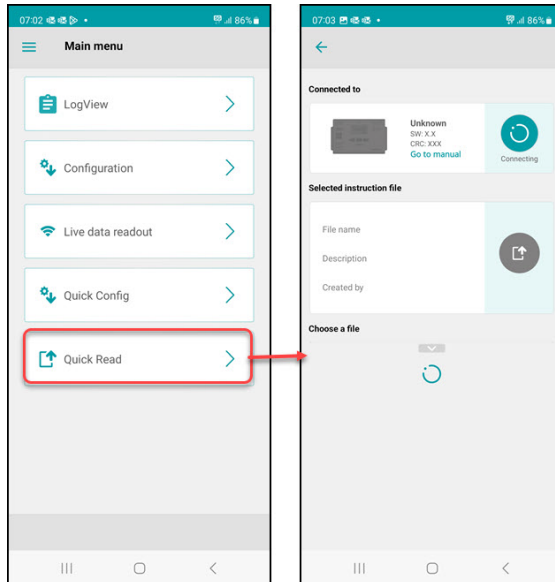
Date	Heat energy (E1)	F
12/06/2023 12:00:02	728.087	
12/06/2023 11:00:02	727.981	
12/06/2023 10:00:02	727.875	
12/06/2023 09:00:02	727.767	
12/06/2023 08:00:02	727.661	
12/06/2023 07:00:02	727.556	
12/06/2023 06:00:02	727.448	
12/06/2023 05:00:02	727.342	
12/06/2023 04:00:02	727.236	
12/06/2023 03:00:02	727.130	
12/06/2023 02:00:02	727.022	

4.2 How to perform a quick reading of the log

Use the optical head as described in the previous chapter, and follow the steps below to perform a quick reading of the meter's log:

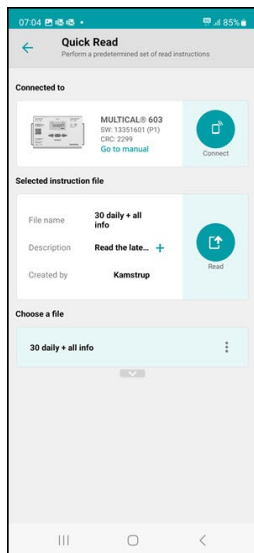
1. In MeterToolX, tap **Quick Read** in the main menu.

MeterToolX now finds the quick reading files for the current meter type and MeterToolX login:



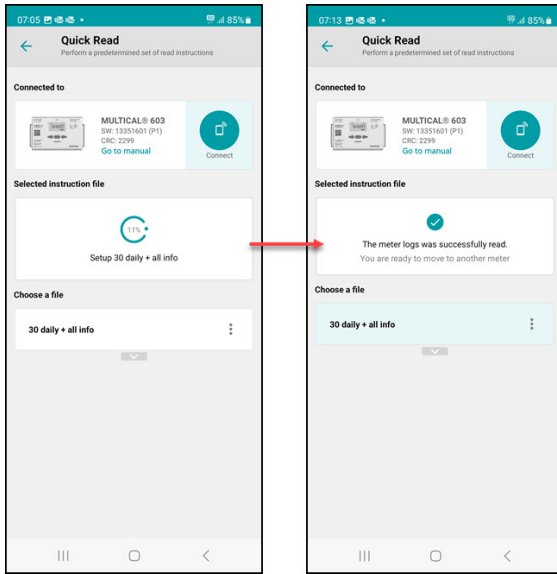
2. Tap the desired quick reading file at the bottom of the screen.


A description of the log reading is displayed in the middle of the screen:



3. Tap Read .


Wait for the reading to complete:

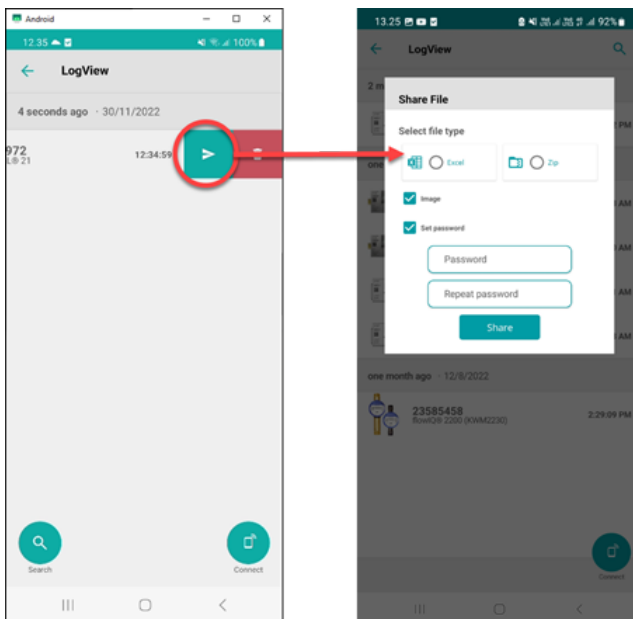


You can find the log reading if you go back to the main menu (by tapping  in the upper left corner) and tap **LogView**.

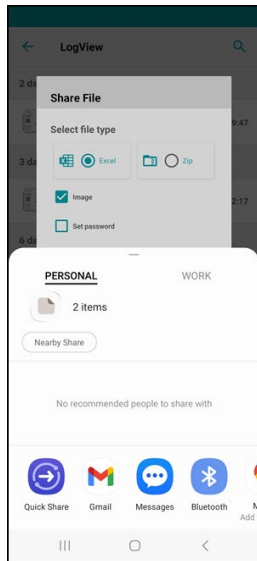
4.3 How to share a log file by email

Follow the procedure below to send an email with a log file directly from MeterToolX:

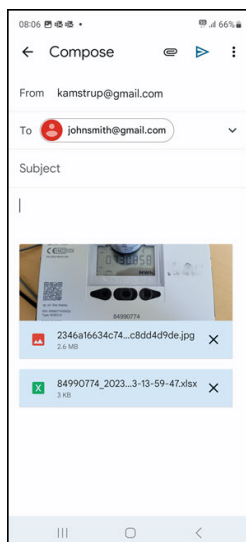
1. In MeterToolX, tap **Logview** in the main menu.
2. In the list of log readings that appears, swipe the desired log reading to the left and tap the  icon:



3. In the window that appears, select the file type and follow step a and b as desired:
 - a. If you have taken a snapshot of the installation (see chapter 7 for details), and you want to include this image, tap **Image**.
 - b. If you want to protect the file with a password, tap **Set password**, and enter the password in the **Password** and **Repeat password** fields.
4. Tap **Share**.
5. Select your email application:



6. Enter the email address, subject and email text as desired, and send the email:




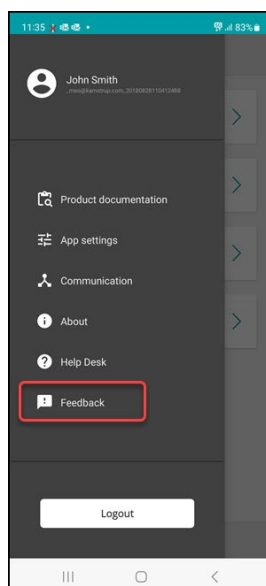
5. Meter configuration

There are two ways of configuring a meter:

- Reading and changing the configuration: You read the current configuration and make the desired change to a configuration.
- Quick configuration: You select a file with a predetermined configuration change. This is particularly useful if you need to change the configuration of many meters – or just want to minimise the risk of configuration errors. MeterToolX comes with default quick configuration for setting the position of the flow sensor to inlet or outlet (and more may be added over time).

It is possible to buy customer-specific quick configuration files that can be uploaded on-the-fly to your instance of MeterToolX. If you are interested, send your request to Kamstrup (for exam-

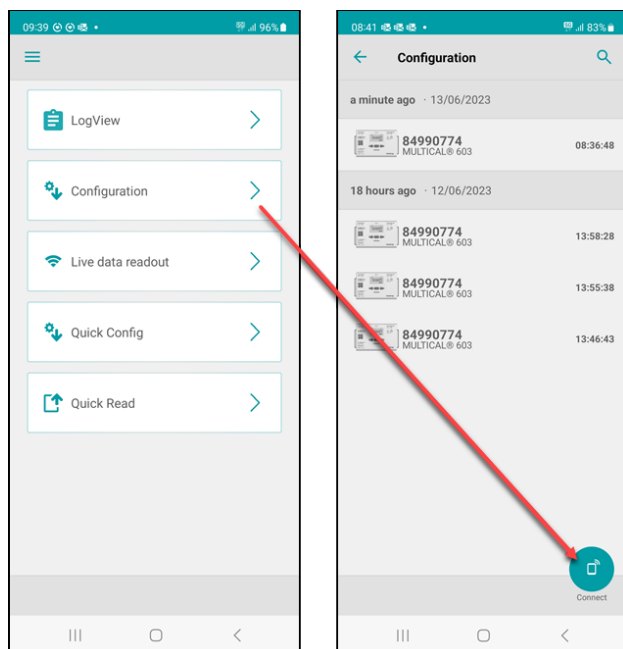
ple by using the **Feedback** option that appears when you tap  in the upper-left corner of the MeterToolX main window:



5.1 How to read or change the meter configuration

Use the optical head as described in chapter 3, and follow the steps below to read and change the configuration of a meter:

1. In MeterToolX, tap **Configuration** in the main menu, and tap **Connect** to connect to the meter:



Wait for the configuration to be read.

You can now see the configuration. The reading of the configuration appears in the configuration list, and you can select the different readings in the list to check and compare the configuration at various times.


2. To change the configuration, follow the steps below:
 - a. If the meter is a heat meter, make sure it has access to the SETUP loop.

If the meter has not been commissioned yet, the meter is in transport mode and has access to the SETUP loop. If the meter is in operation, temporary access to the SETUP loop can be created by briefly separating the calculator top and base, after which it is possible to configure the meter within a period of 4 minutes.

For water meters, the setup mode is automatically activated.

- b. Change the desired option(s).

Note

If a  button is available at the bottom of the screen, additional configuration options can be accessed by tapping this button.

- c. Tap the  **Write** button.

Wait for the change(s) to be applied.

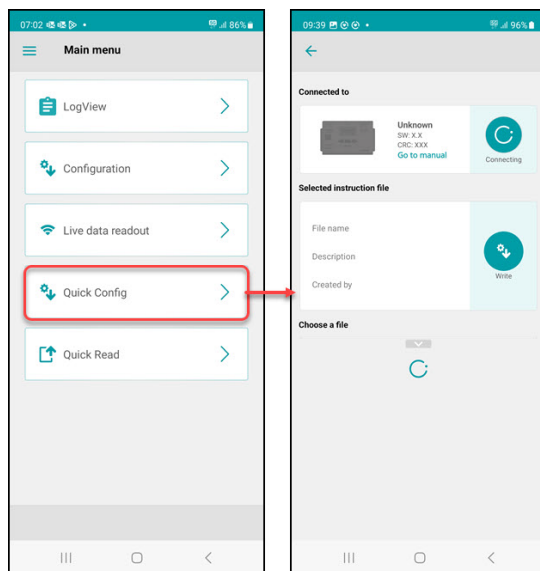
- d. Tap **OK** in the message that appears telling you that the configuration has been changed.

5.2 How to perform a quick configuration of a meter

Use the optical head as described in chapter 3, and follow the steps below to perform a quick configuration of the meter:

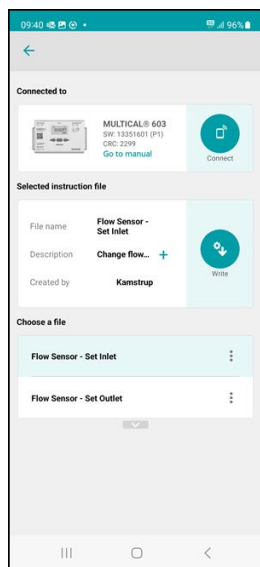
1. In MeterToolX, tap **Quick Config** in the main menu.

MeterToolX now finds the available quick configuration files:



2. Tap the desired quick configuration file at the bottom of the screen.


A description of the quick configuration is displayed in the middle of the screen:



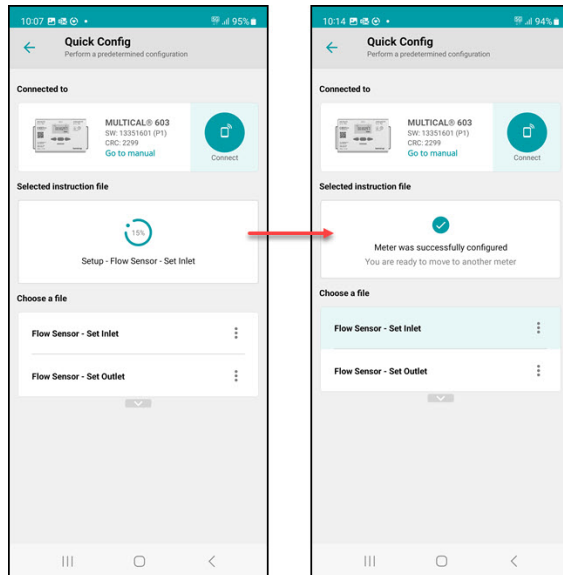
3. If the meter is a heat meter, make sure it has access to the SETUP loop.

If the meter has not been commissioned yet, the meter is in transport mode and has access to the SETUP loop. If the meter is in operation, temporary access to the SETUP loop can be created by briefly separating the calculator top and base, after which it is possible to configure the meter within a period of 4 minutes.

For water meters, the setup mode is automatically activated.

4. Tap Write .

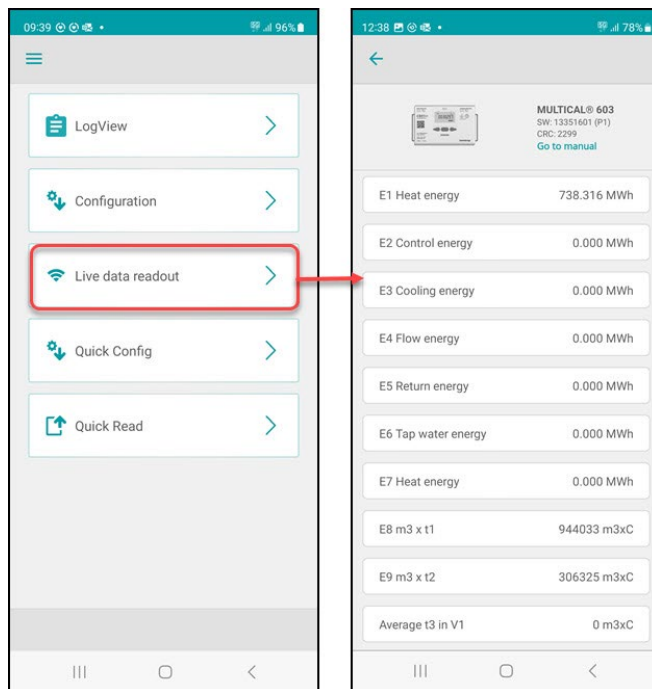
Wait for the configuration to complete:



6. How to reflect live data from a meter in MeterToolX

The current readings on the meter display can be reflected in MeterToolX. This means that if the meter display is not easily accessible, you can use this feature to check the current readings in MeterToolX - for example when adjusting the flow.

1. In MeterToolX, tap **Live data readout** in the main menu.

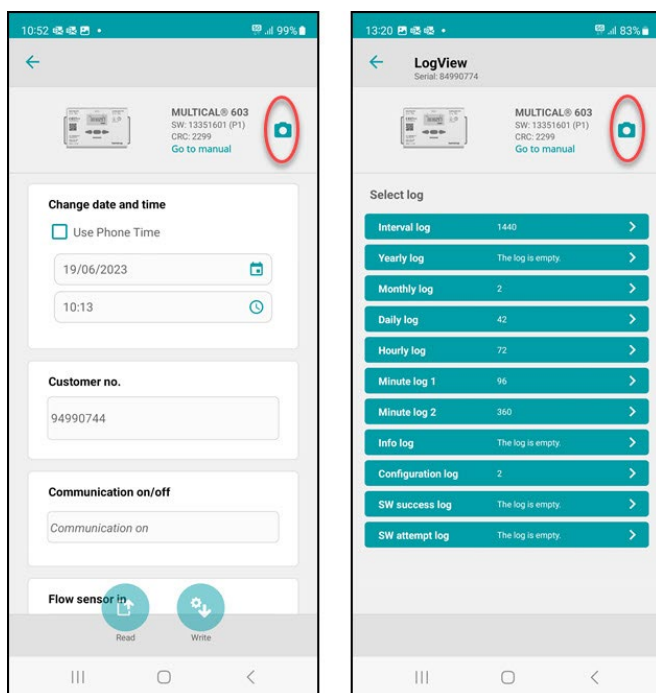


The current readings of the meter are now displayed and continuously updated in MeterToolX.

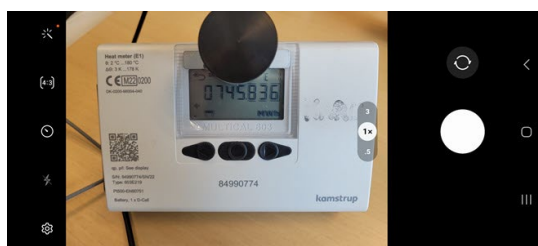
7. How to take a snapshot of your meter installation

If you want to document a new meter installation or otherwise want a picture of the installation, you can take a snapshot and add it to your meter in MeterToolX. Pictures can be added when you share a log reading by email (see section 4.3 “How to share a log file by email”):

2. In MeterToolX, tap **LogView** or **Configuration** in the main menu.
3. Select a log reading or configuration in the list that appears.
4. Tap the camera icon at the top of the screen:



5. Take the snapshot:



6. Tap **OK** if you are satisfied with the picture.



An image icon now appears on the log/configuration readings with a picture. Tap the image icon to see the picture:

