

# Quick start guide

## Excel template for analysing historical data

SER0028 - Basic analysis of the historical data from acirro+



## 1 Function and area of use

This document explains the process for how to easily view the data exported from acirro+ using Microsoft Excel.

## 2 About this document

This quick start document should not be considered as a complete manual. It is an aid to be able to start analysing data from exported csv files from acirro+.

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Use the following hardware, software, drivers and utilities in order to obtain a stable application:

### **In this document we have used the following software**

- Microsoft Excel
- acirro+, <https://acirroplus.com>

### **For further information refer to**

- [acirro+ Getting Started PIEN353](#) (available at HelpOnline)
- [Beijer Electronics knowledge database, HelpOnline](#)

This document and other quick start documents can be obtained from our homepage. Please use the address [support.europe@beijerelectronics.com](mailto:support.europe@beijerelectronics.com) for feedback.

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## 4 Excel Template for analysing data from acirro+

The following chapter describes important procedures and settings needed for a well-functioning process.

### 4.1 Installation of Excel

Make sure to have a version of Microsoft Excel installed that supports xltm template files (version 2007 or later).

### 4.2 Export data files from acirro+

Make sure to have a device set up properly in acirro+ to collect process data for it before going through this chapter.

1. Select the **Devices** tab from the top menu, find the device you want to export data for in the list, and click **Export data** in the context menu.
2. Select for which time period that data should be fetched, either by typing in start and end date, or by selecting in the calendar.
3. Press the Export button. A new row containing information about the export appears in the Download Files list. When the export is ready for download it will get status Ready and a download icon will be enabled.
4. Press Download to download the zip file. The filename will contain the name of the device. Special characters in the filename will be replaced with underscore and if the filename is too long it will be shortened.
5. Unzip the file to a folder. It will contain one data file in csv format per day and one metadata file with information about namespace names and cloud tag names.
6. The raw data is now available in the csv files and can be imported.

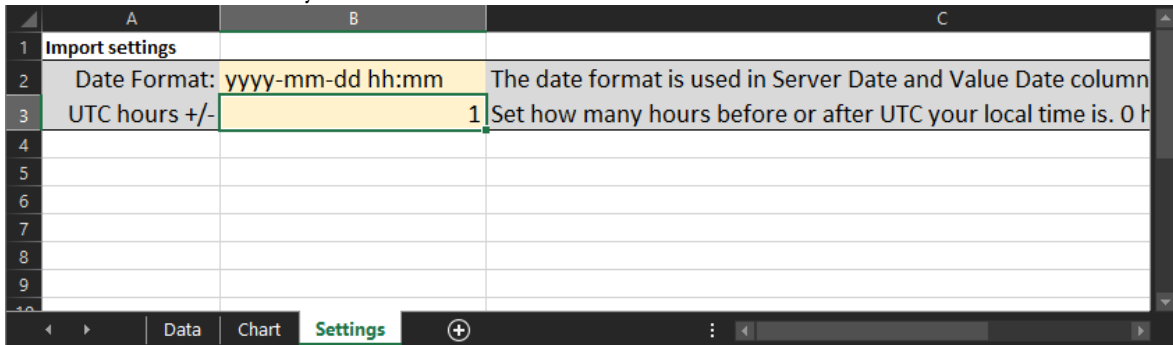
### 4.3 Import data files in Excel

To import the raw csv files, go to the Data tab in Excel and select to import From Text/CSV file to get the correct separator used. Then the template is not needed.

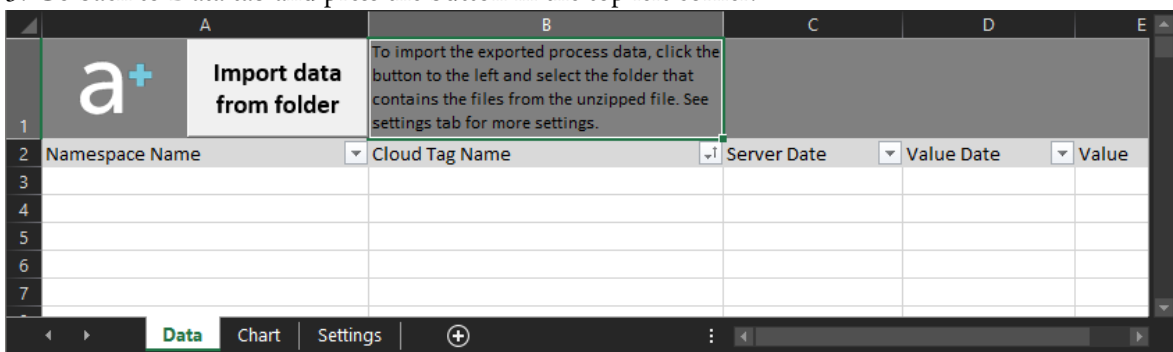
Use the provided template to make the data more understandable for a human reader. It will map the cloud tag ids to namespace names and cloud tag names. It also formats the timestamps in an understandable format of your choice and there is a chart in a separate tab that can visualize any numerical data. To view the data in Excel using the template, do the following;

1. Open the template in Excel and press Enable Content to enable Macros if there is a security warning.

2. Go to the Settings tab and type in a different date format if the default one is not desired. If local time is wanted, then set how many hours before or after UTC the local time is.



3. Go back to Data tab and press the button in the top left corner.



4. Select the folder that contains the files from the unzipped file downloaded from acirro+. Wait until all data has been imported and translated. If there is a lot of data, it might take some time to import.

Namespace Name	Cloud Tag Name	Server Date	Value Date	Value	Quality	CloudTagId	ServerTimestamp	ValueTimestamp
maintenance-info	PressureRight	2020-12-11 21:20:24	2020-12-11 21:19:20	3	1	10bc88bd8c234c6eab2808d89d2b8c59	1607721624	1607721560
maintenance-info	PressureRight	2020-12-11 21:20:24	2020-12-11 21:19:30	5	1	10bc88bd8c234c6eab2808d89d2b8c59	1607721624	1607721570
maintenance-info	PressureRight	2020-12-11 21:20:24	2020-12-11 21:19:40	7	1	10bc88bd8c234c6eab2808d89d2b8c59	1607721624	1607721580
maintenance-info	PressureRight	2020-12-11 21:20:24	2020-12-11 21:19:50	9	1	10bc88bd8c234c6eab2808d89d2b8c59	1607721624	1607721590
maintenance-info	PressureRight	2020-12-11 21:20:24	2020-12-11 21:20:00	11	1	10bc88bd8c234c6eab2808d89d2b8c59	1607721624	1607721600
maintenance-info	PressureRight	2020-12-11 21:20:24	2020-12-11 21:20:10	13	1	10bc88bd8c234c6eab2808d89d2b8c59	1607721624	1607721610
maintenance-info	PressureRight	2020-12-11 21:21:24	2020-12-11 21:20:20	15	1	10bc88bd8c234c6eab2808d89d2b8c59	1607721684	1607721620
maintenance-info	PressureRight	2020-12-11 21:21:24	2020-12-11 21:20:30	17	1	10bc88bd8c234c6eab2808d89d2b8c59	1607721684	1607721630
maintenance-info	PressureRight	2020-12-11 21:21:24	2020-12-11 21:20:40	19	1	10bc88bd8c234c6eab2808d89d2b8c59	1607721684	1607721640
maintenance-info	PressureRight	2020-12-11 21:21:24	2020-12-11 21:20:50	21	1	10bc88bd8c234c6eab2808d89d2b8c59	1607721684	1607721650
maintenance-info	PressureRight	2020-12-11 21:21:24	2020-12-11 21:21:00	23	1	10bc88bd8c234c6eab2808d89d2b8c59	1607721684	1607721660
maintenance-info	PressureRight	2020-12-11 21:21:24	2020-12-11 21:21:10	25	1	10bc88bd8c234c6eab2808d89d2b8c59	1607721684	1607721670
maintenance-info	PressureRight	2020-12-11 21:25:41	2020-12-11 21:24:37	3	1	10bc88bd8c234c6eab2808d89d2b8c59	1607721941	1607721877
maintenance-info	PressureRight	2020-12-11 21:25:41	2020-12-11 21:24:47	5	1	10bc88bd8c234c6eab2808d89d2b8c59	1607721941	1607721887
maintenance-info	PressureRight	2020-12-11 21:25:41	2020-12-11 21:24:57	7	1	10bc88bd8c234c6eab2808d89d2b8c59	1607721941	1607721897
maintenance-info	PressureRight	2020-12-11 21:25:41	2020-12-11 21:25:07	9	1	10bc88bd8c234c6eab2808d89d2b8c59	1607721941	1607721907
maintenance-info	PressureRight	2020-12-11 21:25:41	2020-12-11 21:25:17	11	1	10bc88bd8c234c6eab2808d89d2b8c59	1607721941	1607721917
maintenance-info	PressureRight	2020-12-11 21:25:41	2020-12-11 21:25:27	13	1	10bc88bd8c234c6eab2808d89d2b8c59	1607721941	1607721927
maintenance-info	PressureTop	2020-12-11 21:25:41	2020-12-11 21:24:37	3	1	20M6e051b94809ab3f08d89d2b8c59	1607721941	1607721877
maintenance-info	PressureTop	2020-12-11 21:25:41	2020-12-11 21:24:47	6	1	20M6e051b94809ab3f08d89d2b8c59	1607721941	1607721887
maintenance-info	PressureTop	2020-12-11 21:25:41	2020-12-11 21:24:57	8	1	20M6e051b94809ab3f08d89d2b8c59	1607721941	1607721897

## 5 About Beijer Electronics

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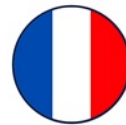
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