

Technical guide for uploading data to the IC-meter Cloud

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Delivering Meter Data to IC-Meter Cloud

The IC-meter Cloud services can handle data from external smart meters (Heat, Electricity or Water).

The following technical description specifies the data format and how metered data (Heat, Water and Electricity) should be delivered to the IC-Meter Cloud services.

Currently IC-Meter supports parsing data from CSV files, where either the file is uploaded to IC-Meter servers or IC-Meter retrieves the file via ftp.

This service requires an agreement with IC-Meter, and that the data supplier registers for a user account for ftp access to the service. Send a request to support@ic-meter.com.

Required information and Data Format

Below a detailed description of the required data points. The meter data should be the accumulated meter reading from either heat, electricity or water, where the resolution can be one value pr. Day or hour values. All data from all meters have to be stored in one file for the specific period.

MeterID:	Unique meter id, identifying the specific meter at the data supplier
MeterType:	E.g. "heat", "electricity" or "water"
Building:	Specifies meta data for the meter location, e.g. the address as shown above
DateTime:	ISO 8601 timestamp in UTC for the end period of the reading "2015-03-05T13:08:00Z".
Reading:	Actual reading
Unit:	Unit of the reading e.g. [Wh]. This is not mandatory; however, when not specified it needs to be fixed for all readings.

An example of a CSV file containing day values are shown below. The header line is not required.

MeterID	MeterType	Building	DateTime	Reading	Unit
4529800	Heat	Annebygade 23	2015-08-28T00:05:20Z	446,410	Wh
6681667	Heat	Annebygade 25	2015-08-28T00:05:14Z	8,707	MWh
6681719	Heat	Pengetanken 1	2015-08-28T00:05:44Z	9,719	MWh
6681893	Heat	Gaasebylanggade 4	2015-08-28T00:05:11Z	296,809	Wh
6790693	Heat	Gaasebylanggade 6	2015-08-28T00:05:40Z	9,218	MWh
6790700	Heat	Gaasebylanggade 21	2015-08-28T00:05:34Z	6,122	MWh
6790725	Heat	Gaasebylanggade 28	2015-08-28T00:05:21Z	6,408	MWh

Connection details

Following table describes the information required to connect to the IC-Meter cloud:

Url:	ftp.ic-meter.com
Port:	2021
User:	Requires registration
Password:	Requires registration

If the data supplier has a setup, where a 3rd party can retrieve data on an ftp-server, IC-Meter also supports this possibility.

Special formats for the most common meters

IC-Meter has designed standard import functions for the most common meter types on the marked (Kamstrup, EnergiData,...)

For further information, please contact IC-Meter at info@ic-meter.com.

Revision history

Version	Date	Author	Description
0.1	28-08-2015	Neogrid Technologies/hls	Draft
1.0	01-09-2015	Neogrid Technologies/hls	Initial release
1.2	11-09-2015	Neogrid Technologies/hls	Released
1.21	13-09-2015	Neogrid Technologies/hls	Minor adjustments