

Frequently asked questions Telemetry API

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fudura

Frequently Asked Questions – Telemetry API

How do I request an account for the telemetry API (tAPI)?
Contact our sales department. You can do this in several ways: by phone at 088 238 3838, by filling in the contact form on our website or Mijn Fudura, or by sending an email to welkom@fudura.nl.

Is it possible to get a test account before I decide to switch to tAPI?
Contact our sales department via welkom@fudura.nl, by filling in a web form on our site or Mijn Fudura, or by calling 088 – 238 38 38 (on working days between 08:00 and 17:00).

How do I obtain an API key?
After creating a password for your account, you can log in and you will have access to the tAPI specification. You can then retrieve the key. For more explanation, see p. 4 of the manual. You can find the manual at https://developers.fudura.nl/manuals.

Where can I find my API keys?
API keys can be found under Profile in Subscriptions. Here you can also regenerate keys. You can find more information in the manual at https://developers.fudura.nl/manuals.

In what ways can I use tAPI?
There are two ways to use tAPI. Through Telemetry requests you get access to your historical data to compare or display it. If you want to keep your systems up to date, you use the Change feed.
You can find more information about both options in the manual from p. 7 onward. Go to https://developers.fudura.nl/manuals.

Can I view third-party data via tAPI?
Yes, you can! First, a completed authorization form must be sent to Fudura. Once Fudura has confirmed that the data has been made available, you can retrieve it. You can find the customer numbers by using the GetSharedCustomerIds endpoint.
If you want to view the data of a specific customer, use the customerid query parameter and enter the customer number there.
If you leave it empty, you will get your own data. With an * you retrieve all data you have access to.

Is it possible to view data from small-consumption meters?
Definitely: because these meters are not owned by Fudura but by the grid operator, a mandate must be completed first. We then request the data from the grid operator. Our colleagues in Sales can help you further with this.

Is it possible to receive historical data? Up to when?
Yes, this is possible. How far back in time depends on your contract period. If you have

doubts about the period for which you can view data, please contact our customer service.

Is it possible to receive historical P4 data?
When a new request is made, it is not possible to retrieve data older than the first day of the current month.

How do I find the right endpoint?
Go to the Developer Portal: log in there with the same account you use to refresh your subscription keys.
Data is then requested via /telemetry/meteringpoints/{meteringPointID}/channels/{channelId}/query. Before you can send a request, the metering point and channel must be selected. Under the GetDetailedMeteringPoints endpoint you will find the metering points available to you + time periods.
Via the endpoint /telemetry/meteringpoints/{meteringPointId}/channels/{channelId}, other information about the metering point can be retrieved, such as interval and timestamp.

What is the difference between a first/last reading timestamp and an authorization period?
The first/last reading timestamp values indicate the first and last available measurement data for a metering point. The authorization period then determines for which period you are actually allowed to request measurement data. The first/last reading timestamp values can therefore differ from the period for which you are actually allowed to view data. As a result, it can happen that your authorization has already expired while the meter still exists and receives data. If you try to retrieve measurement data that falls outside your authorization period, an error is returned: *401 Unauthorized. User is not authorized fort his meteringpoint within the requested period.*
If a metering point has an incorrect authorization period, please contact our customer service to have it adjusted.

How can I tell if I am dealing with a calculated meter?
You can recognize this by the channelType, which can be requested via the GetChannelMetadata endpoint. Via channelType Profile you retrieve a calculated dataset. An example of a profile is ELCLAx15. Via channelType Register you obtain direct meter readings.

Where can I find the meaning of the different channels?
Go to https://developers.fudura.nl/manuals and then to Meaning of Channel IDs. Below you will find a number of commonly used channels:

- ELCLAx15: 15-minute kWh consumption of the measurement
- ELCOAx15: 15-minute kWh feed-in (return delivery) of the measurement
- GLCLNx: 60-minute consumption in m3, derived volume

Can I view near-time data via tAPI?
Yes, this is definitely possible. However, your meter must be suitable for reading out near-time data. If you are interested in near-time data, please contact our sales department.

How long does it take before near-time data can be viewed in validated form?
The data is usually visible within five minutes. This does not mean the data is immediately validated. Validation of the data can take up to four hours.

Why do I see values I don't expect?
This can have several causes. The most common causes are the following:

- a measurement value could not be read and was therefore estimated
- a measurement value was manually corrected. This happens when an invalid value was measured earlier
- a delay occurred in the delivery of the measurement data

Why is the data only updated once a day?
The data is available as soon as it is collected from the meter. The data from most meters is collected once a day. Do you have a meter that is read out in near-time? Then you will also see the measurement data within 5 minutes via the tAPI.

What does the *Is valid property* of a measurement mean?
A measurement value can have three different statuses, explained below.
False = the measurement value is not valid.
True = the measurement value is valid.
Not present: the measurement value has not yet been validated.