

# Single to Double Column Data Converter

This tool in Xendee converts single-column time series data into a more readable two-column format, enhancing data organization and manipulation.

## 1. How to Use

- 1) On the Single to Double Column Data Converter page, you can download a sample single column time series data file by clicking the 'Download a Sample Single Column Time Series Data file'. Alternatively, you can prepare your own single column time series data file in either CSV or ZIP format.

### Single To Double Column Data Converter

This tool is useful in the case where you need to take data in a single-column format with an interval reading on each line and convert it to a format that has two columns: one for the interval reading date and time; and one for the interval reading.

Upload a single column time series data file (.csv) or a ZIP file that contains one or more single-column time series files. Next, specify the start date of the time series data and the resolution, and this tool will generate a two-column time series data file: the first column reports the date and time; the second column reports the reading.

[Download a Sample Single-Column Time Series Data File](#)

Single Column Data File

Choose File No file chosen

Start Date (MM/DD/YYYY)

mm/dd/yyyy

Resolution

Hourly

Convert Data

	A
1	153.8528
2	145.2869
3	140.5089
4	136.3931
5	134.2496
6	132.4374
7	131.6021
8	131.1773
9	131.9836
10	133.4278
11	136.8653
12	143.1273
13	157.6151
14	172.022
15	185.821
16	194.8827
17	185.5743
18	176.3771
19	167.5928
20	160.535
21	157.1621
22	154.6284
23	154.5413
24	154.2279

Sample single-column time series data

- 2) To upload your data, select the 'Choose File' button and choose either a single-column time series data file in .csv or .zip format, which may contain one or more single-column time series files, or opt to upload the sample data file provided.

Single Column Data File

Choose File No file chosen

Start Date (MM/DD/YYYY)

mm/dd/yyyy

Resolution

Hourly

Convert Data

- 3) After uploading your data file to the Single Column to Double Column Data Converter, you must enter the start date of your time series data in the 'Start Date (MM/DD/YYYY)' field. Additionally, select the appropriate interval time (e.g., Hourly, 30 Minutes, or 15

Minutes) in the 'Resolution' field. These details are crucial for correctly aligning the data with its corresponding date and time. To initiate the conversion, click the 'Convert Data' button. The system will automatically download the transformed file to your computer in a ZIP folder. The image below serves as an illustrative example.

Single Column Data File

Choose File SampleSingleColumnTimeSeries (4).csv

Start Date (MM/DD/YYYY) 01/01/2025

Resolution 30 Minutes

Convert Data

The tool will produce a time series data file with two columns: the first detailing the date and time, and the second documenting the interval readings.

	A	B
1	3/10/2023 0:00	153.8528
2	3/10/2023 1:00	145.2869
3	3/10/2023 2:00	140.5089
4	3/10/2023 3:00	136.3931
5	3/10/2023 4:00	134.2496
6	3/10/2023 5:00	132.4374
7	3/10/2023 6:00	131.6021
8	3/10/2023 7:00	131.1773
9	3/10/2023 8:00	131.9836
10	3/10/2023 9:00	133.4278
11	3/10/2023 10:00	136.8653
12	3/10/2023 11:00	143.1273
13	3/10/2023 12:00	157.6151
14	3/10/2023 13:00	172.022
15	3/10/2023 14:00	185.821
16	3/10/2023 15:00	194.8827