API Documentation v1.0

URL formats

1. http://api.weathercloud.net/v01/set/wid/$WID/key/$Key/...<parameters>…
2. http://api.weathercloud.net/v01/set?wid=$WID&key=$Key&…<parameters>…

User verification

- User verification requests must contain WID and Key only.

Timing

- Data interval is 10 minutes. 1 minute for Pro and Premium users only.
- Requests faster than the corresponding data interval will be rejected.

Return codes

- 200 in case of success.
- 400 in case of bad request.
- 401 in case of incorrect WID or Key.
- 429 in case of too many requests.
- 500 in case of unexpected server error.

Parameters

- **Temperature**

  temp, tempin, temp02, tempagro, chill, dew, dewin, heat, heatin

  degrees celsius (ºC) x 10 [-400, 600]

  Example: 20.5 ºC → 205

- **Humidity**

  hum, humin, hum02

  percentage (%) [0, 100]

  Example: 40 % → 40

- **Atmospheric pressure**

  bar

  hectopascals (hPa) x 10 [9000, 11000]

  Example: 1013.0 hPa → 10130

This document is strictly confidential and may not be disclosed.

- **Wind speed**

  wspd, wspdavg, wspdhi

  meters per second (m/s) x 10 [0, 600]

  Example: 12.5 m/s → 125
- **Wind direction**

  wdir, wdiravg, wdirhi

  degrees (º) [0, 359]

  Example: 180 º → 180
- **Rain (daily total)**

  rain

  millimeters (mm) x 10 [0, 10000]

  Example: 35.0 mm → 350
- **Rain rate**

  rainrate

  millimeters per hour (mm/h) x 10 [0, 1000]

  Example: 20.0 mm/h → 200
- **ET (daily total)**

  et

  millimeters (mm) x 10 [0, 1000]

  Example: 7.5 mm → 75
- **Solar radiation**

  solarrad

  watts per square meter (W/m2) x 10 [0, 20000]

  Example: 1050.0 W/m2 → 10500
- **UV index**

  uvi

  index x 10 [0, 160]

  Example: 8.0 → 80
- **Soil moisture**

  soilmoist

  centibars (Cb) [0, 200]

  Example: 100 cb → 100
- **Leaf wetness**

  leafwet

  index [0, 15]

  Example: 10 → 10

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- **Air quality index (US AQI)**

  aqi

  index [0, 500]

  Example: 100 → 100
- **PM2.5**

  pm25

  micrograms per cubic meter (µg/m³) [0, 2000]

  Example: 150 µg/m³ → 150
- **PM10**

  pm10

  micrograms per cubic meter (µg/m³) [0, 5000]

  Example: 150 µg/m³ → 150
- **CO**

  co

  parts per billion (ppb) [0, 10000]

  Example: 750 ppb → 750
- **NO**

  no

  parts per billion (ppb) [0, 2000]

  Example: 250 ppb → 250
- **NO2**

  no2

  parts per billion (ppb) [0, 2000]

  Example: 250 ppb → 250
- **SO2**

  so2

  parts per billion (ppb) [0, 2000]

  Example: 250 ppb → 250
- **O3**

  o3

  parts per billion (ppb) [0, 2000]

  Example: 250 ppb → 250
- **Noise**

  noise

  decibels (dB) x 10 [0, 1200]

  Example: 60.0 dB → 600

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- **Power supply**

  pwrsply

  volts (V) x 10 [0, 240]

  Example: 18.0 V → 180

- **Battery**

  battery

  volts (V) x 10 [0, 240]

  Example: 12.0 V → 120

- **Time**

  time

  hhmm [0, 2400] UTC

  Example: 14:15 → 1415

- **Date**

  date

  yyyymmdd [20210101, 21001231]

  Example: 2021-12-24 → 20211224

- **Software name and version**

  software

  String containing the software name and version (no spaces allowed).

  Example: Weathercloud Software v2.4 → weathercloud_software_v2.4

- **Software ID**

  softwareid

  Assigned software ID in order to be identified by the API.

  Example: 123a456b789c

Example

http://api.weathercloud.net/v01/set/wid/bb34d555d99d93...temp/205/hum/40/bar/10130/wspd/125/wdir/180/...

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