

Two versions of the Python API client are available, depending on the firmware version running on your EMScope instrument.

Legacy API — Software \leq 3.13

The

`api.py`

and

`api_example.py`

files are provided for use with EMScope software versions **3.13 and earlier**.

Required libraries: **websockets**, **json**. The **matplotlib** library is used in the example script.

Current API — Software \geq 4.0

A fully redesigned API client is available for EMScope software version **4.0 and later**. It introduces a cleaner interface, automatic RBW and display range management, robust session handling, and transparent keepalive ping/pong support.

The

`api_v4.py`

and

`api_example_v4.py`

files are provided.

Required libraries: **websockets**, **matplotlib**. Python **3.8 or later** is required.

For a detailed description of the underlying WebSocket protocol, refer to the [WebSocket API](#) documentation.

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