DEVELOPERS · SDK, API AND AI CONNECTORS

Your data, in your code

A documented protocol, an open SDK, an API and an MCP connector: everything the plates measure reaches your own tools.

```python
import asyncio
from movetrics_fdt import FdtClient, SerialTransport, Sample
async def main():
    async with FdtClient(SerialTransport("COM3")) as fdt:
        await fdt.set_rate(1000)
        await fdt.start_stream()
        async for s in fdt.samples():
            if isinstance(s, Sample):
                print(s.t, s.plate, s.fz, s.cop_x)

asyncio.run(main())
```

Live data in Python

Reads every plate from an FDT on USB, with the same names, units and clock everywhere. TypeScript and MATLAB work alike, and a built-in simulator lets you start without a plate.

OPEN TO YOUR OWN AI

Claude, ChatGPT and your own AI

Connect Claude, ChatGPT and other AI assistants to Movetrics Cloud through MCP, an open standard, and ask about your recordings in your own words.

Read-only by default; changes are opt-in and can be undone.

SDK

Open source under Apache-2.0: Python, TypeScript, MATLAB and Octave.

API

Recordings, results and methods from Movetrics Cloud in your own scripts, with tokens.

Open protocol

24-byte frames and documented commands, with shared test vectors: write a client in any language and check it.

Documentation

Guides, the specification and examples at developers.movetrics.com.

Lab Streaming Layer

A command-line tool streams to Lab Streaming Layer and TCP, for research set-ups with several devices.

Inside your product

Selected projects.
contact@movetrics.com,
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1 **Feasibility call**
free

2 **Concept and design**
paid, credited in full against the order

3 **Prototype**
measured with our bench tests

4 **Supply**
or a licence for firmware and electronics

Intended use. Movetrics systems measure forces and moments, calculate metrics and display them, for sport, research, education, and practitioner-led training and rehabilitation. They are not medical devices. They do not diagnose, treat, monitor or predict any disease or condition, and their results do not replace professional judgement.

Specifications may change. The current edition of this sheet is at movetrics.com/developers.
Questions: +49 15678 616 529 or contact@movetrics.com.

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