

litos lite

Parallel *JV* and *Stability* Measurement Platform
For Solar Cell R&D



Up to 56 parallel channels

MPP tracking

Meets ISOS protocols for device stressing

www.fluxim.com



 swiss made software

Perform Parallel JV & Stability Measurements on Solar Cells

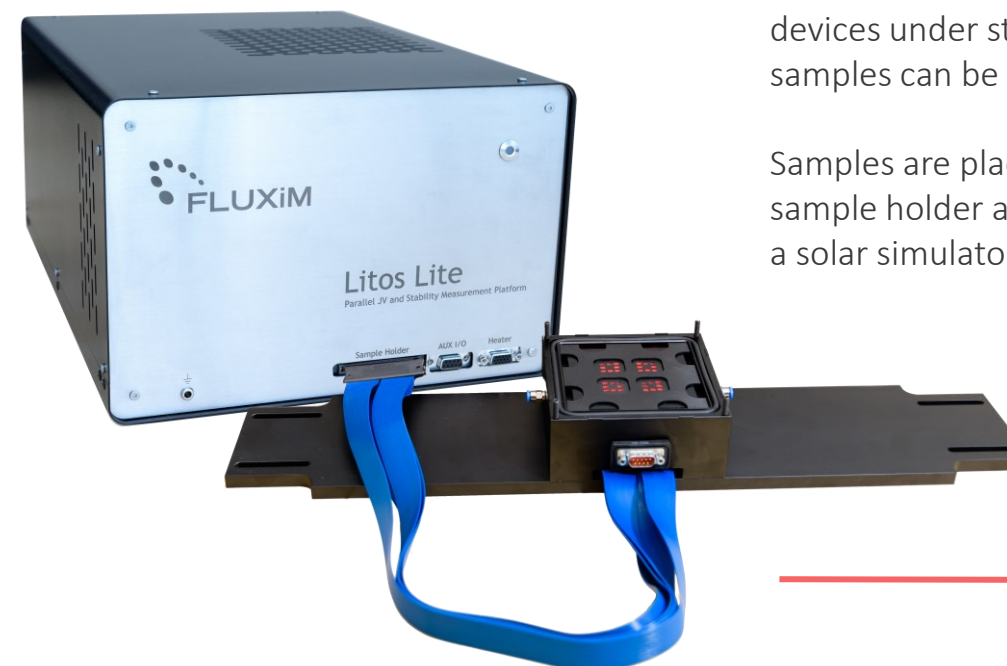
Litos Lite is a platform to perform **parallel JV** and stability measurements on **perovskite** and **organic solar cells**. This innovative characterization hardware is able to perform JV measurements on up to 56 parallel channels and stress the solar cells with maximum power point tracking, constant voltage or constant current.

Litos Lite Features

Best for	High-throughput, high-precision JV and stressing of PV
Design	Control box and sample holder connected with a cable. External illumination.
No. of channels	8, 16 ... 56 independent channels available.
No. of chambers	1 chamber. Exchangeable sample holders.
Voltage	-10 – 10 V
Current per channel	50 mA. Can combine channels. Up to 50 x 56 = 2.8 A
Stressing options	MPP, Voc, Jsc, selectable per channel.
Temperature control	Heating up to 125°C
Illumination	External illumination. Can be a solar simulator. Can develop custom illumination, e.g. LED array.
Sample Geometry	Sample holder customized. No restriction on geometry.
Atmosphere control	Airtight chamber. Can connect Fluxim's Atmosphere module.
Solar Simulator Compatibility	Wavelabs Sinus 70/220 and LS2.*
Software	Professional, user friendly software is the biggest asset of Litos Lite

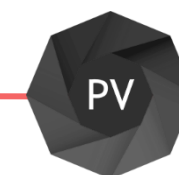
* The Litos Lite software can be configured to support other solar simulators.

Device Stressing According to the ISOS Protocols.



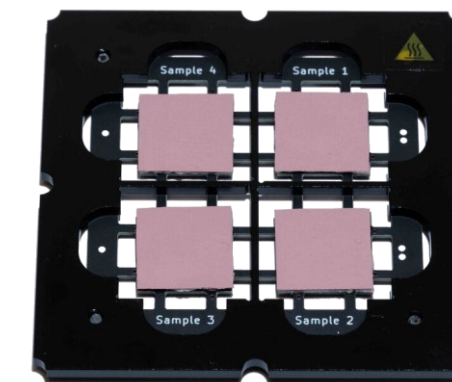
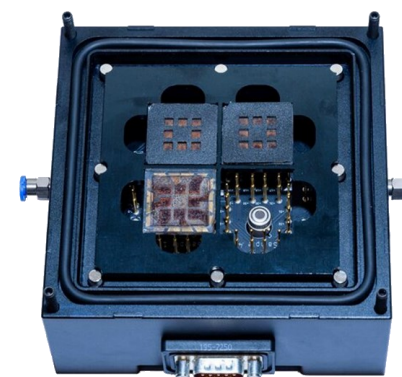
Individual MPP tracking is possible on each of the devices under stress. The temperature of the samples can be controlled up to $T = 125^{\circ}\text{C}$.

Samples are placed inside an airtight customized sample holder and illuminated from the top with a solar simulator or an LED array.



Custom-Made Sample Holders

- Sample dimensions: up to $10 \times 10 \text{ cm}^2$.
- IR temperature sensors for individual tracking of the sample temperature
- Custom-made contact boards.
- Heating stage with individual resistive heaters ($\text{RT} - 150^{\circ}\text{C}$).
- Thermal pads to assure temperature uniformity under the samples.
- Customized sample holders with no restrictions on geometry



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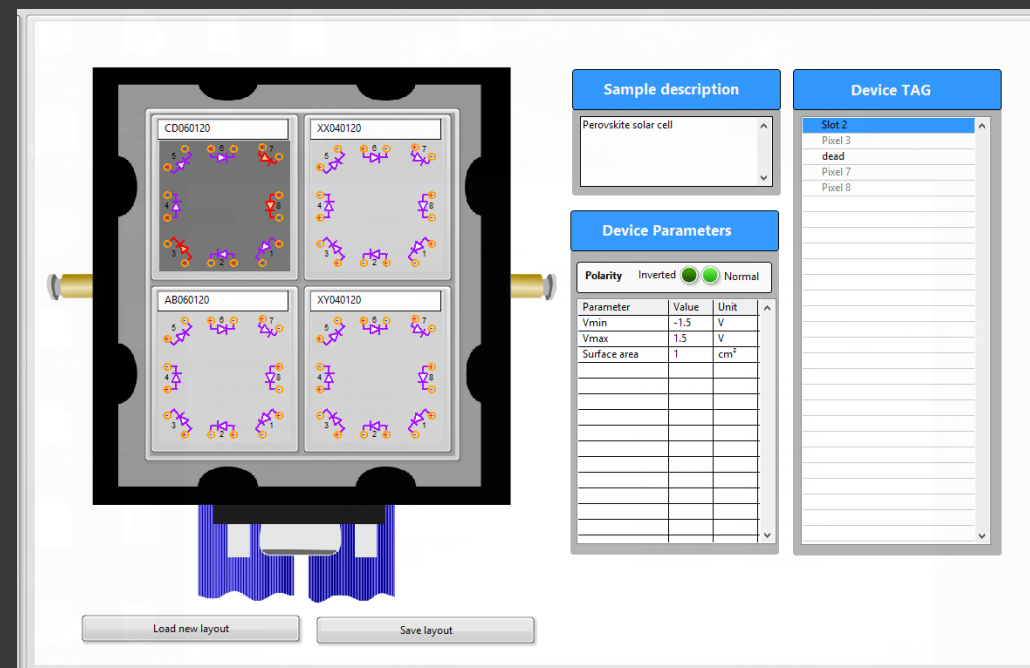
Parallel JV and Stability Measurement Platform

FLUXiM

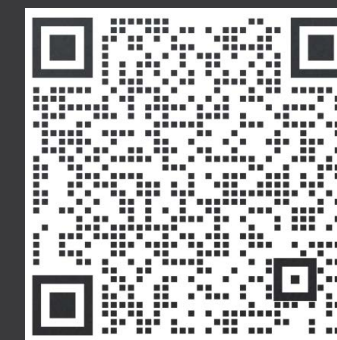
Solar Simulators can be Controlled by the Litos Lite Software.

Litos Lite provides several AUX ports for triggering external equipment.

The Litos Lite software is already configured to control the Wavelabs SINUS 70, 220 and LS2 AAA solar simulators.



The Litos Lite software allows the user to easily switch between sample layouts, construct recipes with multiple steps and acquire and manage data.



Trusted by Academics & Industry



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