litos lite

Parallel JV and Stability Measurement Platform for Solar Cells

- Up to 56 parallel channels
- MPP tracking
- Designed to meet ISOS protocols for device degradation

Litos Lite
Parallel JV and Stability Measurement Platform

www.fluxim.com

+ swiss made software

FLUXiM

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 tool can 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	24, 32, 40, 48 & 56 independent channels available.
No. of chambers	1 chamber. Exchangeable sample holders.
Voltage	-10 V to 10 V
Current per channel	50 mA. Up to 50 x 56 = 2.8 A
Stressing options	MPP, Constant Current, Constant Voltage
Temperature control	Heating up to 85°C
Illumination	External illumination. Can be a solar simulator (compatible with Wavelabs Sinus 70/220/230 simulators* or custom illumination, e.g. LED array.
Sample Geometry	Sample holder customized to your device layout and no. of samples. Max thickness below 4mm.
Software	Professional, fully supported and user friendly software.

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

Device Stressing According to the ISOS Protocols
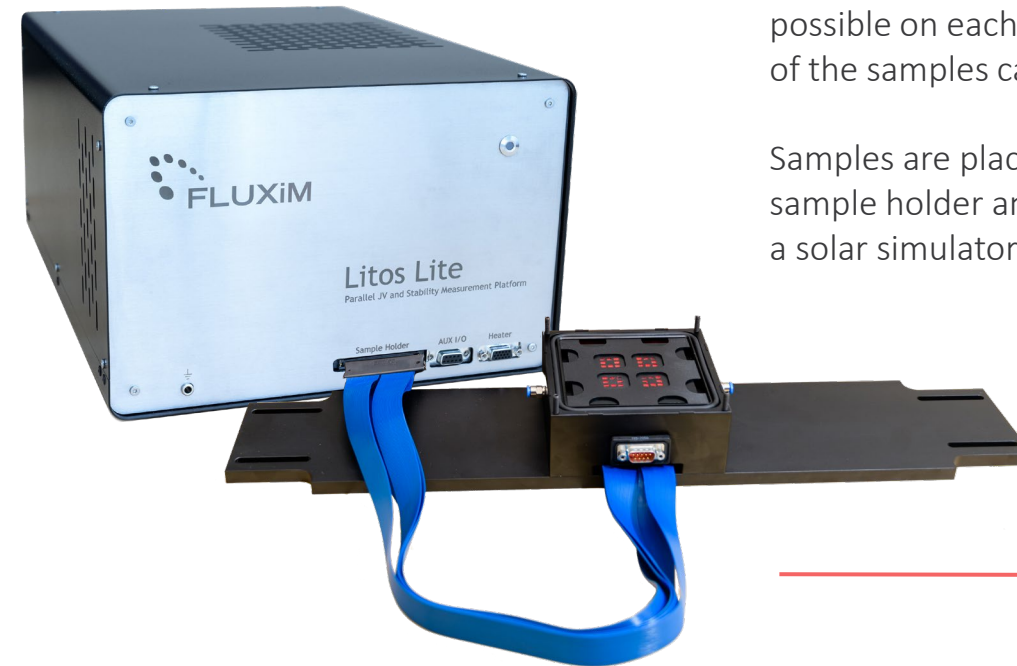
Individual stress conditions, e.g. MPP tracking, are possible on each of the devices. The temperature of the samples can be controlled up to T = 85°C.

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

Custom-Made Sample Holders

- Sample dimensions: Substrate size up to 5×5 cm^2.

- IR temperature sensors for tracking of the sample temperature

- Custom-made contact boards.

- Heating stage with resistive heaters (RT - 85 °C).

- Thermal pads to assure temperature uniformity under the samples.

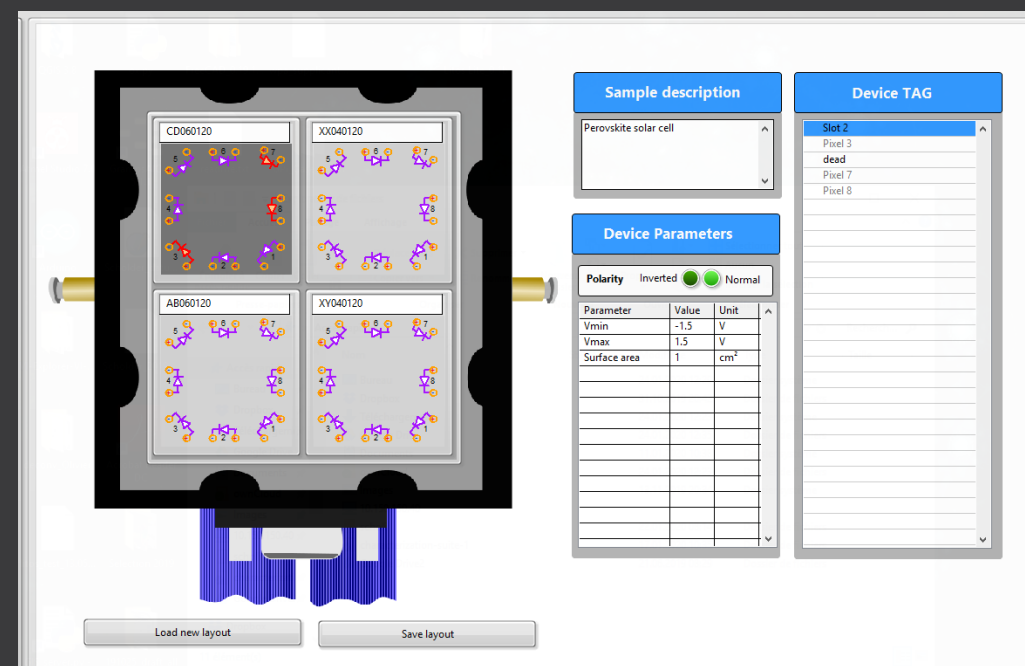- Sample holders designed to customer's layout.
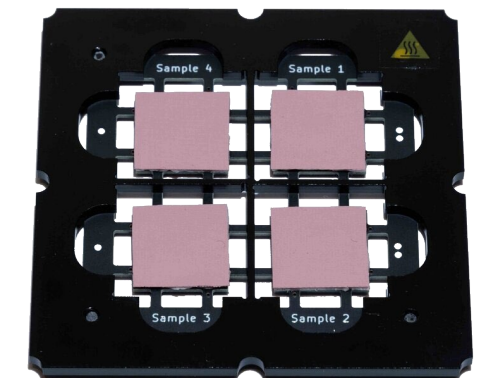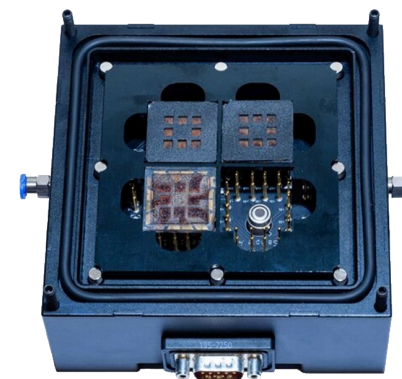
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Solar Simulators can be controlled by the Litos Lite Software.

The Litos Lite software is already configured to control the Wavelabs SINUS 70, 220 and 230 AAA solar simulators.

Other solar simulators can be configured on request.

The Litos Lite software allows the user to easily switch between sample layouts and construct measurement routines e.g. JV stress cycle enabling data acquisition and analysis.
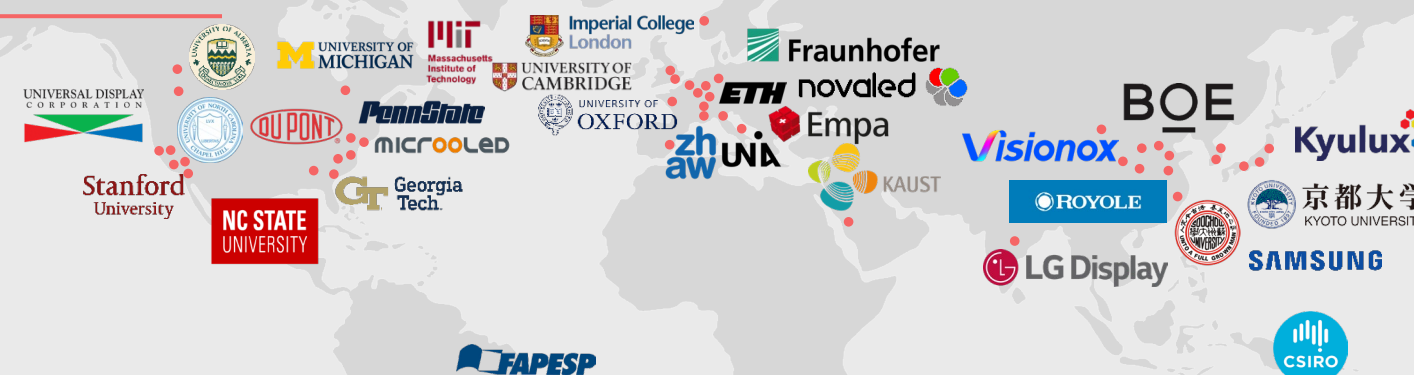
Full technical support is included with every purchase of Litos Lite.

Contact us today to discuss how Litos Lite can accelerate your research.

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Trusted by Academics & Industry