

litos

Advanced LED Lifetime Stability
Measurement System



16 or 32
Parallel
Stressing
Channels

4 Stressing
Chambers

Accelerated
Lifetime
Testing

www.fluxim.com



 swiss made software

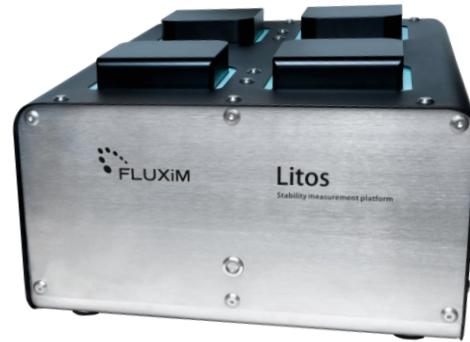
LED Stability Lifetime Measurement System

Litos is an advanced LED stability lifetime measurement system. It has 16 or 32 parallel stressing channels distributed over 4 chambers. The sample's temperature is regulated over a temperature controlled stage.

The wide range of stress conditions inside a highly-controlled experimental environment and full automation make it a primary choice for researchers that want to understand the degradation behavior of *organic, perovskite, and quantum-dot LEDs*.

Litos Features

- Advanced lifetime analysis
- 16 or 32 parallel channels
- Flexible sample design
- Temperature control
- 4 Stressing chambers
- Fully automated
- Professional, user-friendly software



Advantages

- Design customized to customer's sample layout (multiple layouts possible)
- Modular: connect several systems together
- Automatic parameter extraction and plotting over time with Paios Integration

Technical Specification

| | |
|-------------------|-----------------------------------|
| Voltage range | -9 V to 9 V |
| Maximum current | 60 mA /channel |
| Temperature range | 0 – 85 °C |
| Sample size | Up to 5x5cm ² diameter |

For Organic/Perovskite LEDs

Constant current, constant voltage

Available for top and bottom emission LEDs

Intermittent JV and JVL measurements

In-situ spectrometer available (extra module) for electro-luminescence measurements

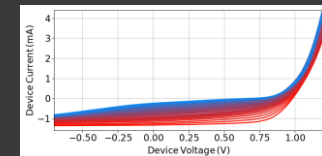
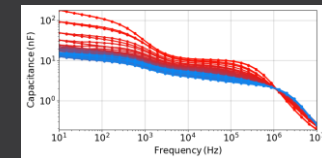
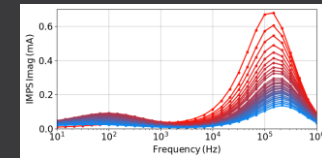
Patented LED accelerated aging and lifetime estimation integration



Litos-Paios Integration

When paired with our platform *Paios* repeated full characterization of the devices can be automatically performed including:

- Transient measurements (CELIV, DLTS, TEL...)
- Impedance spectroscopy / CV / IMPS / IMVS
- Dedicated stressing routines for OLEDs
- All measurements as function of temperature
- Understand the degradation mechanisms of LEDs with an automated routine of stressing and analysis



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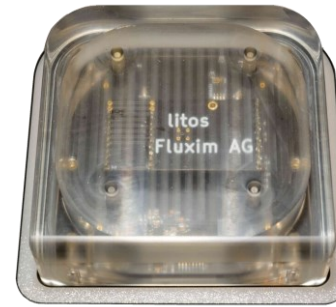
Advanced LED Lifetime Stability Measurement System

FLUXiM

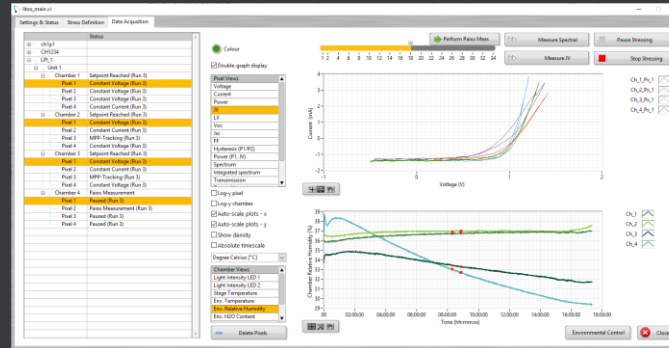
Custom-Made Sample Holders

Litos sample holders are custom-made according to the specific layout of our customers. Multiple boards with different layouts can be delivered.

The board can be quickly replaced in the testing chamber by the user. Depending on the selected configuration, up to 8 LED pixels can be stressed individually in each chamber (32 devices in total).



Perform In-Depth Degradation Analysis



Support

Full technical support is included with every purchase of Litos.

Contact us today to discuss how Litos can advance your R&D.

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Trusted by Academics & Industry



FLUXiM

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