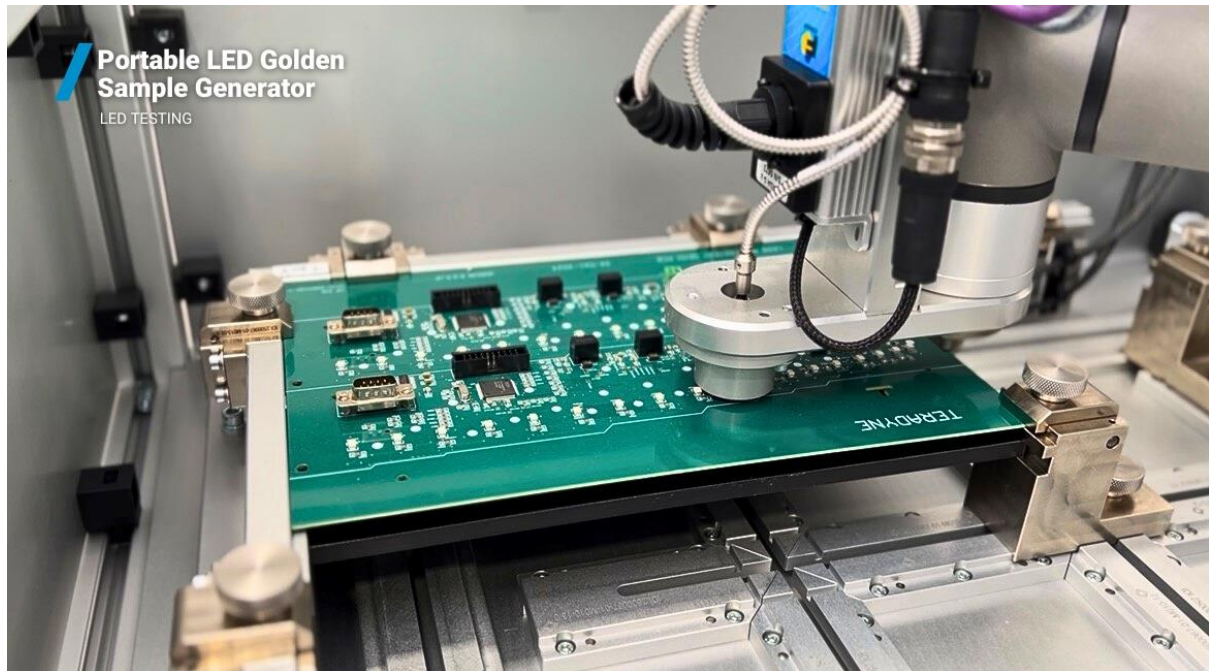


Portable LED Golden Sample Generator: Productronica 2025 Premiere



The expansion of **LED technology** has transformed entire industries — from **automotive and consumer electronics** to **industrial instrumentation**. However, this diversity of applications has brought a growing challenge: ensuring **reliable and precise calibration** of LED test systems, particularly in **PCB lighting production lines**.

To address this need, **EIIT – A Controlar company**, in collaboration with **Teradyne’s Production Board Test Division**, has developed the **Portable LED Golden Sample Generator** — a tool designed to **enhance precision and traceability in optical test processes**.

This portable generator reproduces a **calibrated LED reference (Golden Sample)** used to **adjust, compare, and verify** the performance of test equipment. Its key strength lies in **portability and ease of integration**, as it can be used in both **laboratory and automated production environments** without complex setup or external calibration requirements.

For test engineers, it offers a clear advantage: it enables **measurement accuracy verification within seconds**, reducing validation time and ensuring that each LED test system operates within **controlled and repeatable parameters**.

Developed jointly with **Teradyne**, the device is fully **compatible with In-Circuit Test (ICT) platforms** and **Industry 4.0 environments**, where **traceability and reliability** are essential.

The result is a **lightweight, precise, and easily transportable** solution that redefines how LED test systems are calibrated.

A tool **designed by and for engineers**, combining **metrological precision, ease of use, and industrial robustness**, reinforcing **EIIT's commitment to practical innovation in electronic testing**.

See It Live at Productronica 2025

Visitors can experience the **Portable LED Golden Sample Generator** in action at **Controlar's stand A1.335/9** where live demonstrations will showcase its dual gripper automation and parallel testing capabilities.

About EIIT – A controlar company

*EIIT, part of the Controlar Group, is a Spain-based company specializing in **Industrial Automation and Electronic Test Systems**, with a strong focus on automotive, aerospace, and defense sectors.*

With more than 39 years of experience, EIIT has established itself as a leader in engineering, offering clients innovative and technologically advanced turnkey solutions tailored to their testing and automation needs.

About Controlar

*Founded in 1995, **Controlar Innovating Industry** is a Portuguese company specializing in **Industrial Automation and Test Systems**, primarily serving the automotive sector.*

With over 400 employees and operations across Portugal, Spain, Mexico, Malaysia, India, Germany, the USA, France, Poland and Morocco, Controlar designs, develops, and integrates advanced solutions for the validation and verification of electronic components and systems, as well as for production line automation and quality control.