

TEMPERATURE REGULATION AND CONTROL SOLUTION

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Partner **Other**

Product offering

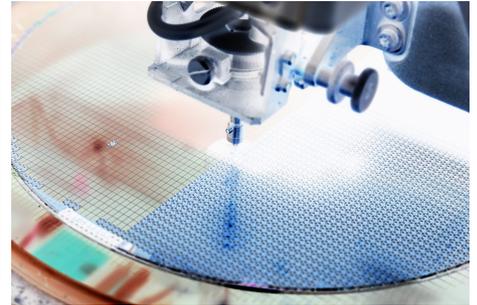
GL TEC CONTROL SYSTEM



GL TEC CONTROL SYSTEM



GL TEC Control System is a new solution which guarantees a complete temperature regulation and control solution for LED modules measurements. It includes a spectrometer, integrating sphere, programmable power supply and sophisticated software in a well-harmonised set.



New industry standards require reliable, stable conditions for surface temperatures of LED modules and stabilized power supplies. This creates the need to regulate and stabilize the temperature of high-power LEDs during the measurements or to simulate various LED operating temperatures. New test standards such as CIE S 025/E:2015 force lighting manufacturers and developers to place greater emphasis on heat control.

The turnkey system includes the lab-grade GL SPECTIS 6.0 spectrometer and TEC Mount with Peltier element for cooling or heating connected to a cutting-edge TEC controller. Both in turn are connected to a GL OPTI SPHERE 500 integrating sphere and a programmable power supply and controlled in Spectrosoft.

The module creates stable measurement conditions and can simulate nearly any operating temperature. Heat control is managed by GL AUTOMATION, a powerful tool which is part of the GL SPECTROSOFT software package.

Based on high-precision temperature monitoring and control, the module creates stable measurement conditions and can simulate nearly any operating temperature. Heat control is managed by GL AUTOMATION, a powerful tool which is part of the GL SPECTROSOFT software package. It is used to operate all of the attached instrumentation or to plan, conduct and monitor automated test scenarios.

Key Features:

- Measurement of luminous flux and color at 25°C
- 85°C junction temperature measurement according to IES LM standards
- Any working temperature simulation between 5 and 85°C
- Automatic changes of setting and measurements
- Additional probes for Tp point measurements

Applications include test and development of new LED drivers, LED chips and lights in development labs.

For more information, simply complete the contact form, and a member of our team will be in touch shortly.