

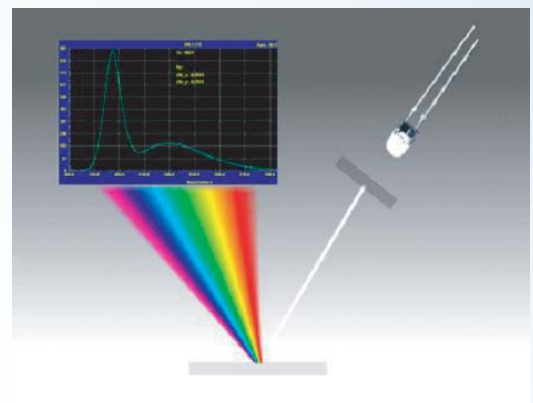
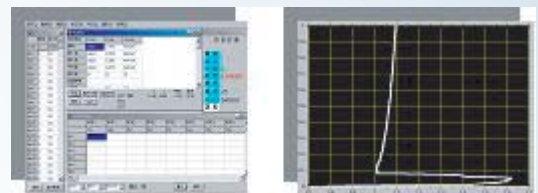
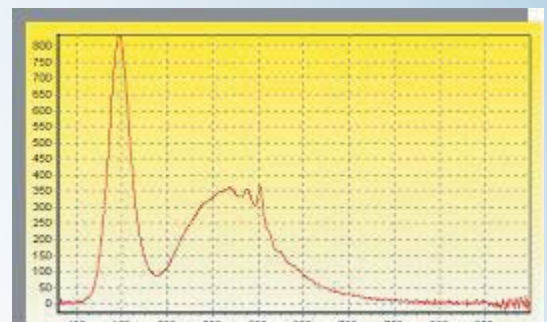
T600 Series LED Optical Spectral & Electrical Test System

T600 series is an automated test system series for identifying the performance of LEDs by measuring the optical and electrical properties. It is compliance with the CIE Technical Report for Measurement of LEDs (CIE 127-1997) and suitable for different colors of LEDs. Designed with advanced microprocessor, A/D converter, spectrometer and precise optical components, it offers accurate, stable and high-speed optical spectral and electrical measurements. The software of T600 series is a Windows™-based control program with comprehensive graphic user interface and facilitates fast, simple optical spectral & electrical measurements of LEDs. To accommodate the diversified needs users may have, T600 series provides various test results including IV, x, y, λ_D , λ_P , Tc, CRI, FWHM, IP, VF, Ir, IF, ΔV_F and THY for one's own choice. In addition, T600 series is a flexible and unique multi-purpose instrument designed for different integration applications. With its high-speed and great accuracy & repeatability, it is suitable for production by connecting with handlers. It also can be applied in the measurements of various types of LEDs, such as LED Chip, SMD, Lamp, Module, LED Display, Dot Matrix and Piranha by changing different jigs.

As the demand of high brightness, full-color and white LEDs is increasing quickly now, the measurement of color components and electrical properties will be more and more important. Every LEDs manufacturer is looking for the most cost-effective test solution to keep up with this trend. Such a versatile and easy-to use instrument like T600 series must satisfy your intent to win competitive advantages.

Key Features

- Integration with Spectrometer and Light meter to perform the measurement of full-color LEDs
- Flexible testing programs for single-chip \ bi-chips \ tri-chips LEDs measurement
- Easy criteria setting for sorting
- Comprehensive testing items: IV, x, y, λ_D , Peak, Tc, CRI, FWHM, IP...etc.
- Wide measurement range of luminous intensity
- High accuracy measurement
- Precise repeatability measurement
- CIE testing scheme & IS traceable calibration
- Friendly graphic user interface
- Data output for statistical analysis



Specifications

Model				
	T620	T626	T630	T636
Applicable Devices	up to Bi-chips		up to Tri-chips	
Measuring Speed	< 0.12sec	< 0.15sec	< 0.38sec	< 0.45sec
	(IV > 9mcd ; Measuring : VF, Polarity Judgment, IV, λ_D)			
Measuring Items	IV, x, y, λ_D , Pe, Peak, FWHM, IP, VF, Vr, IF, Ir, IT, Δ VF	IV, x, y, λ_D , Pe, Peak, FWHM, IP, VF, Vr, IF, Ir, IT, Δ VF (Option : V _{CE} , V _{EC} , V _s , I _{ON} and I _D)	IV, x, y, λ_D , Pe, Peak, FWHM, IP, VF, Vr, IF, Ir, IT, Δ VF	IV, x, y, λ_D , Pe, Peak, FWHM, IP, VF, Vr, IF, Ir, IT, Δ VF (Option : V _{CE} , V _{EC} , V _s , I _{ON} and I _D)
Driving & Measuring Range	IV : 0.001~200.00 mA			
	9mcd~20cd			
	λ_D : 0.001~200.00 mA (The same as Peak)			
	Spectrum Range 320 nm ~ 1040 nm			
	IP : 0.001~200.00 mA , 0.005~8.000 V			
	VF : 0.001~200.00 mA , 0.005~8.000 V	VF : 0.001~1000.00 mA , 0.005~8.000 V	VF : 0.001~200.00 mA , 0.005~8.000 V	VF : 0.001~1000.00 mA , 0.005~8.000 V
	Vr : 0.001~200.00 mA , 0.005~8.000 V	Vr-H : 0.01~2.00mA , 0.5~95.00 V	Vr : 0.001~200.00 mA , 0.005~8.000 V	Vr-H : 0.01~2.00mA , 0.5~95.00 V
	IF : 0.005~8.000 V , 0.01~40.00 mA	IF : 0.005~8.000 V , 0.01~40.00mA	IF : 0.005~8.000 V , 0.01~40.00 mA	IF : 0.005~8.000 V , 0.01~40.00 mA
Ir : 0.005~8.000 V , 1~100.00 μ A	Ir-H : 0.5~95.00 V , 1~100.00 μ A	Ir : 0.005~8.000 V , 1~100.00 μ A	Ir-H : 0.5~95.00 V , 1~100.00 μ A	
IT : 0.001~200.00 mA				
Driving & Measuring Accuracy	IV : 0.8% \pm 1 μ A			
	\pm 5% (Stable LED , enough counts , Trace IS calibration)			
	λ_D : 0.8% \pm 1 μ A			
	\pm 1.0 nm (Stable LED , enough counts , Trace IS calibration)			
	x, y : \pm 0.010 (Stable LED , enough counts , Trace IS calibration)			
	IP : 0.8% \pm 1 μ A , 0.8% \pm 5 mV			
	VF : 0.8% \pm 1 μ A , 0.8% \pm 5 mV			
	Vr : 0.8% \pm 1 μ A , 0.8% \pm 5 mV			
	Vr-H : 0.8% \pm 10 μ A , 0.8% \pm 0.5 V			
IF : 0.8% \pm 5 mV , 0.8% \pm 10 μ A				
Ir : 0.8% \pm 5 mV , 0.8% \pm 0.5 μ A				
Ir-H : 0.8% \pm 5 mV , 0.8% \pm 0.5 μ A				
IT : 0.8% \pm 1 μ A				
Repeatability	IV : \pm 2% (Stable LED , enough counts)			
	λ_D : \pm 0.3 nm (470 nm 、 560 nm 、 590 nm stable LED , enough counts)			
	Peak Resolution : 1.5 nm (Stable LED , enough counts)			
	x, y : \pm 0.002 (Stable LED , enough counts)			
Dimension	480 x 452 x 177 mm , 2 m Fiber			
Power	AC 110V / 60 Hz ; AC 220 V / 50 Hz			

Notes : All specifications are subject to change without notice -----


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