

M6000

OLED Lifetime Test System

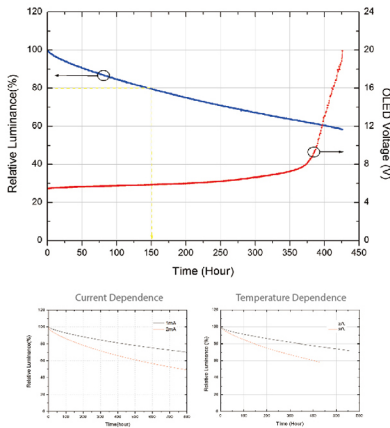
Test Systems On Demands
www.mcscience.com

All Optimized for Multi-channel Power Driving, Lighting, and Measurement of OLED Lifetime

The M6000 OLED Lifetime Test System provides multi-channel testing frame in which power driving for OLED lighting is possible in various control mode, and emitted light intensity and color information can be collected by each photodiode combined to each OLED test sample. Depending on the type of photodiode employed, the measure could be an absolute luminance, or a CIE color index, or just a photocurrent value from the photodiode. The system has three sub-models based on power driving methods, PMX for unit cell device and PMOLED panel, AMX for AMOLED panel, and MDX for OLED module with driver IC.

OLED + **Lifetime** + **Multi-Channel** + **Photo-Diode**

Constant / Pulse Source + **Temperature Acceleration Test**



Multi-Channel Lifetime Test Using Photo-Diode

Unit Cell / Panel / Module

DC / Pulse / Pattern

CC / CV / CL / PCV / PC / PV

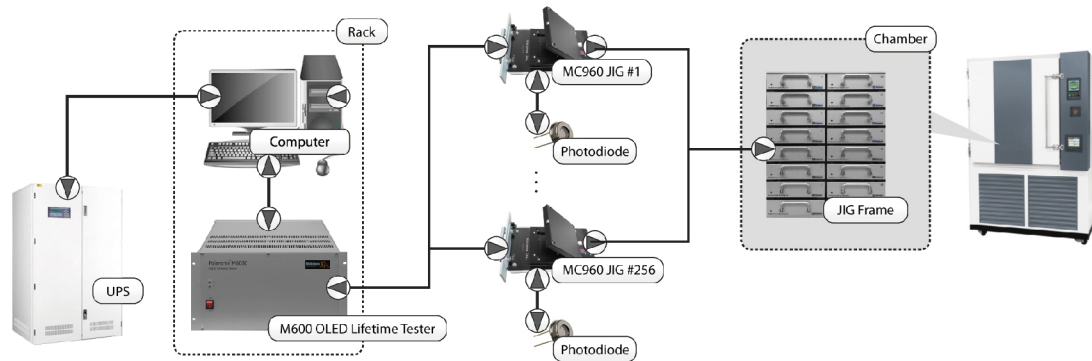
Temperature / Humidity Control

Compact Test Jig



Copyright© McScience Inc. All Right Reserved.

System Configuration



System Components



<M600F OLED Lifetime Tester>



<DeJign Test Jig>



<M600S OLED Lifetime Tester>



<JIG Frame>



<Thermostation>



<Chamber>



<UPS>



<M760 OLED Lifetime Test Software>

System Specification

Product Model		M6000 OLED Lifetime Test System	
Standard Model		PMX: Unit Cell / AMX: Panel / MDX: Module	
System Configuration		Lifetime Tester, JIG and Frame(Drawer Type), Lifetime Test Software, Temperature/Humidity Chamber	
Channel		4 Channel / 32 Channel / 96 Channel	Channel expandable
Source	Mode	Constance Voltage / Current, Pulse Voltage / Current, Pulse Current / Voltage	
	Constant	Voltage: $\pm 20V$ / Current: Max. $\pm 100mA$ (User Selectable)	
	Pulse	Frequency: 1Hz ~ 256Hz / Duty: 1 ~ 99%	
	Accuracy	$\pm 0.1\%$ of Full Scale	
Photo Current Measurement		0 ~ 100uA	
Environment Chamber	Temperature	R.T ~ 100 °C	User Selectable
	Humidity	10 ~ 90%	
Measurement Parameter		Time, Voltage, Current, Photo Current, Relative Luminance	
Operating Condition		Temperature : 23°C \pm 5°C, Humidity : 20 ~ 80% RH(Non-Condensation)	
PC Interface		TCP/IP(LAN), RS-232(Serial)	