M6400

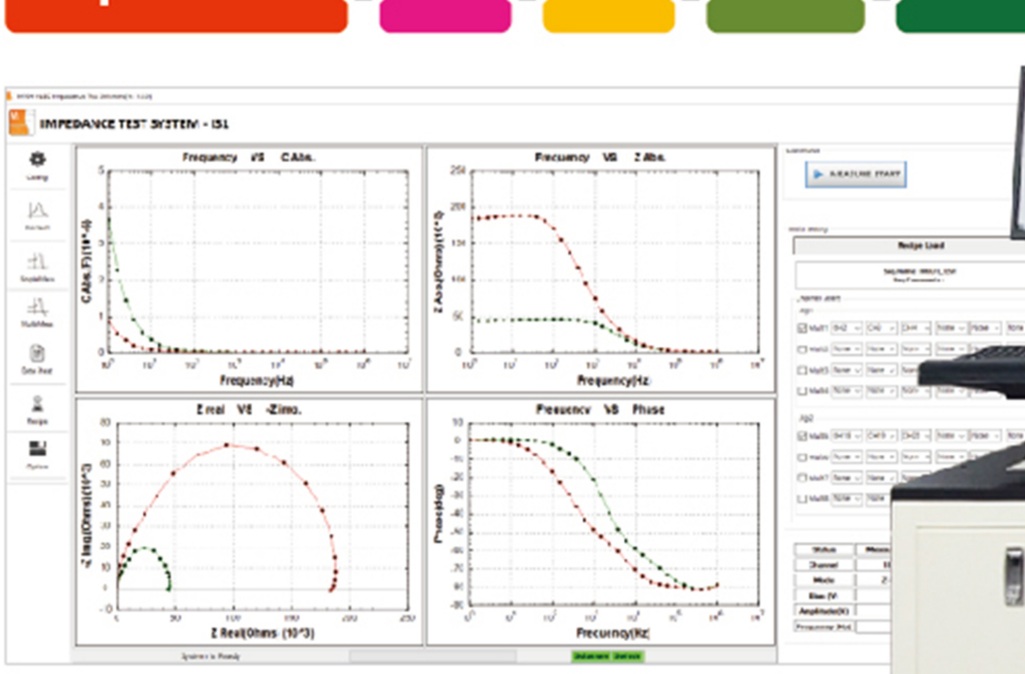
OLED Impedance Test System

Electrical, Optical & Thermal
Imaging & Test Systems

Electrical characteristics of the sample can be analyzed through impedance measurement analysis. This device is designed to increase user convenience by automatically measuring multiple samples in sequence and to acquire reliable data while measuring multiple samples in a short period of time. This device can analyze the resistance elements constituting the sample through C-F measurement while sweeping the frequency at a fixed bias voltage, or measure charge injection and mobility through C-V measurement while sweeping the bias voltage at a fixed frequency. In addition, by adding ThermoStation as an option, users can designate independent temperature conditions and cycles for each sample to analyze characteristics under various temperature conditions.

Charge Injection + **Mobility** + **Resistance**

Capacitance + **CF** + **CV** + **CFV** + **CVF**



Charge Injection & Mobility Analysis
Resistance & Capacitance Analysis
Single Recipe with CF or CV
Multi Recipe with CFV or CVF

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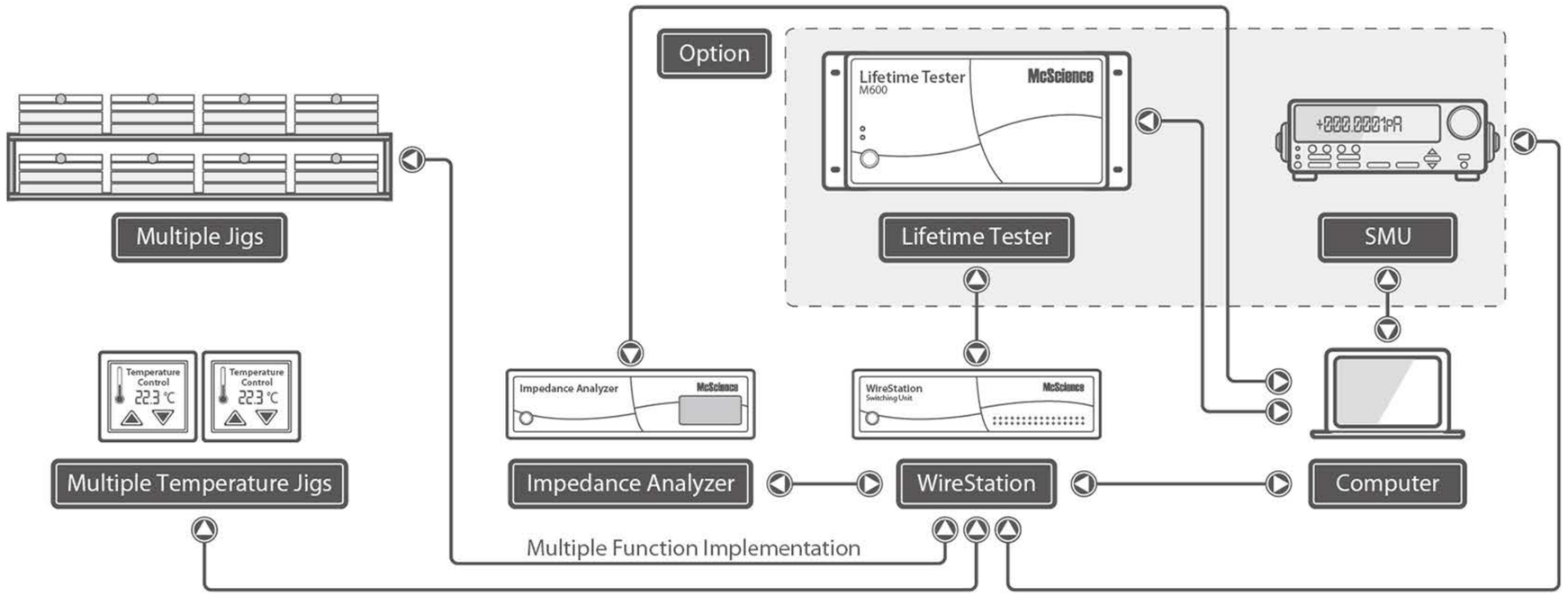
System Configuration



System Components


<Impedance Analyzer>


<1260A>


<Switching Unit>


<M600 Lifetime Tester>


<Impedance Test Software>


<Alpaha-A Analyzer>


<E4980A>


<Jig> <ThermoStation>


<K2400>


<K2635B>

System Specification

Product Name		M6400 OLED Impedance Tet System
System Configuration		Main Frame/Impedance Analyzer/Temperature Control/Accessories/PC&Monitor/Software
Switching Unit	Channel	1 : N
	Connection	BNC Input / SMA Output
Sample Mounting Unit (Including Thermostation)	Q'ty	N
	Temperature Control Type	Peltier & Heating Block (Air Cooling)
	Temperature Range/Accuracy	20°C ~ 85°C / ±1°C
Impedance Analyzer	Frequency Range	10 MHz to 10 μHz
	Current measurement	100 mA to 1 fA
	Impedance range	100 Ω to >100 TΩ (10^{14} Ω)
	Capacitance range	> 0.1 F to 1 pF
Software	Function	Connection, Control, Sequence/Recipe Test
	Control Parameter	Bias, Frequency, Sweep Condition, etc.
	Test Parameter	Capacitance, Modulus, Impedance, Temperature, etc.
	Test Result	Graph Plot, CSV Format File

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