

**Metro M131**

# OLED Parameter Tester

Electrical, Optical & Thermal  
Imaging & Test Systems

### Electrical Characteristic Test of Display Devices

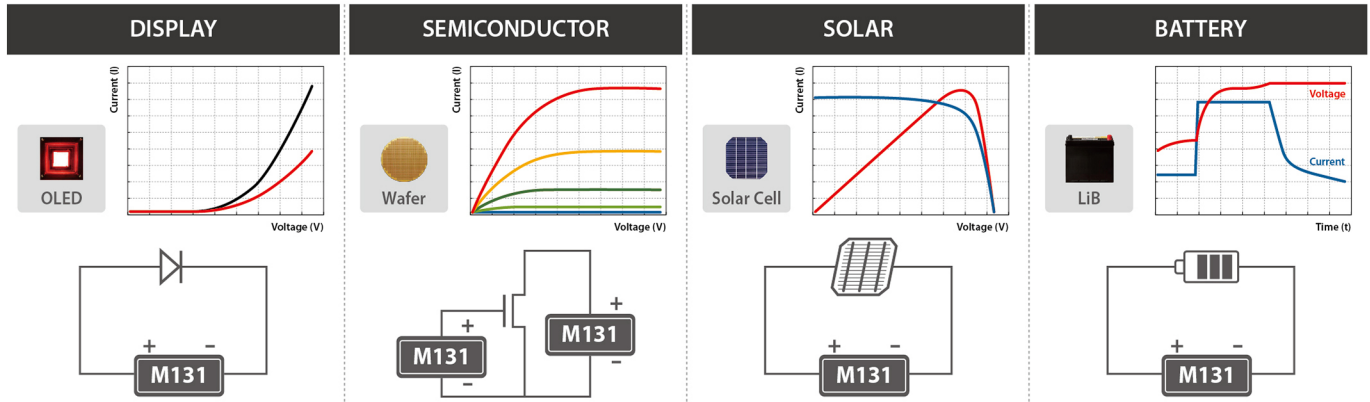
OLED Parameter Tester M131 is designed to measure electrical characteristics of OLED devices. It provides four quadrant operation modes for source and sink. Also, there are two selective control modes allowing measurements suitable for voltage control when current measurement or current control when voltage measurement. The triaxial terminals prevent leakage current and noise, and the 4-wire measurement technique minimizes voltage measurement errors by eliminating the fraction of contact resistance. In addition, Capacitance-Voltage characteristics of OLED can be measured by fixed 1kHz sine wave function.



- Optimized Sourcemeter for OLED Electrical Test
- High Accurate, Stable Source and Measurement
- 4 Quadrant Operation
- Voltage / Current Source
- Fixed 1kHz Sine Wave Function
- Built-In Photocurrent Measurement Function
- Compliance Function



# Product Application



# Product Specification

Model Name		Metro M131 OLED Parameter Tester				
Voltage	Source Range	-20V ~ +20V				
	Source Accuracy	$(\pm 0.05\% \text{ of Set Value}) \pm 5\text{mV}$				
	Measurement Range	-20V ~ +20V				
	Measurement Accuracy	$(\pm 0.05\% \text{ of Measured Value}) \pm 5\text{mV}$				
Current	Source Range	500mA	10mA	100μA	1μA	10nA
	Source Accuracy	500mA ~ 10nA : $(\pm 0.05\% \text{ of Set Value}) \pm (0.1\% \text{ of Range Full Scale})$ 0 ~ 10nA : $(\pm 0.2\% \text{ of Set Value}) \pm (0.1\% \text{ of Range Full Scale})$				
	Measurement Range	500mA	10mA	100μA	1μA	10nA
	Measurement Accuracy	500mA ~ 10nA : $(\pm 0.05\% \text{ of Set Value}) \pm (0.1\% \text{ of Range Full Scale})$ 0 ~ 10nA : $(\pm 0.2\% \text{ of Set Value}) \pm (0.1\% \text{ of Range Full Scale})$				
Photocurrent	Type	3 Range Zero Resistance Amplifier Circuit				
	Measurement Range	0 ~ 10μA / 0 ~ 100μA / 0 ~ 1mA				
	Measurement Accuracy	$\pm 0.05\% + 5\text{nA} / \pm 0.05\% + 10\text{nA} / \pm 0.05\% + 50\text{nA}$ (Full Scale)				

