

DC Bias Current Test System

NEW

6223 / 6243 + 6632

6210 / 6220 / 6240 + 6632

Features

- 6223/6243 frequency response 100-10M, 6210/6220 frequency response 100-3M, 6240 frequency response 100-1M
- Current and frequency graphic scanning analysis
- Temperature-rising scan function can solve the problems of overheating a DUT to burn
- DCR Measurement function
- Long-term consecutive maximum power output
- Interchangeable bi-direction current function
- Up to 6 units of the 6223/6210/6220 DC current source can be overlapped to provide a maximum voltage of 20Vdc, maximum power output 25W, scalable current output up to 120A
- Up to 8 units of the 6243/6240 DC current source can be overlapped to provide a maximum voltage of 12Vdc, maximum power output 50W
- Direct Handler interfaces control through LCR power meter

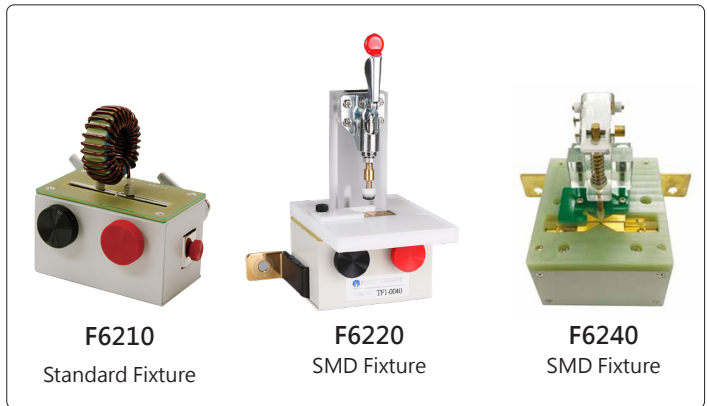
Applications

Component: common mode inductance, inductive sensors, communication transformers, electronic transformers, PCB flat transformers, filter inductors

Application modules: electric vehicle on-board system, electric vehicle turbocharging system, DC-DC power supply module

Magnetic materials: ferrite absorbing materials, alloy magnetic materials

DC Bias Fixtures



F6210
Standard Fixture

F6220
SMD Fixture

F6240
SMD Fixture

Standard fixture F6210 for measuring inductance, optional fixture F6220 /6240 for measuring SMD inductance. The maximum withstand current limit of F6240 is 120A.



CE 标配 RS-232 Handler

Rack-mounted System



Rack-mounted system reserve space for expanding current, support computer connection software, and can save measurement data.

Accessories

Standard

- Power Cord
- User Manual(CD)
- Ethernet cable
- F6210(DIP)

Optional

- Pc link software
- F6220/F6240(SMD)
- connect plate (short/long)
- BNC+BNC cable

Specification

DC Bias Model Name	6243	6223	6220	6210	6240
LCR+DC Bias frequency response	100-10M	100-10M	100-3M	100-3M	100-1M
Output current (Max.)	320 A	120 A	120 A	60 A	320 A
Output current	40 A	20 A	20 A	10 A	40 A
Accuracy (6632)	0.000A-1.000A 1%+5mA				
	1.001A-5.000A 2%				
	5.001A-20.000A 3%				
Power consumption	640W max.	320W max.	320W max.	320W max.	640W max.
Constant power output	●				
Current switch	●				
Magnetic saturation current scan	●				
Temperature rise	●				
Frequency graphic scanning analysis	●				
DC Resistance	●				
LCR Meter Model Name	6632				
Frequency(Hz)	10-1/3/5/10/20/30M				
AC Measurement	10mV-2Vrms				
DC Measurement	1V(Fixed)				
Output Impedance	25Ω · 100Ω (switchable)				
Parameters Measurement Ranges	R, X	±0.000mΩ-9999.99MΩ			
	Y	0.00000μS-999.999kS			
	G, B	±0.00000μS-999.999kS			
	θRAD	±0.00000-3.14159			
	θDEG	±0.000° -180.000°			
	Cs, Cp	±0.00000pF-9999.99F			
	Ls, Lp	±0.00nH-9999.99kH			
	D	0.00000-9999.99			
	Q	0.00-9999.99			
	Δ	±0.00%-9999.99%			
	Rdc	0.00mΩ-99.9999MΩ			
	εr' εr''	0-100000			
	μr' μr''	0-100000			

General

Power Supply	Voltage 88-264Vac
	Frequency 47-63Hz
Interface	RS-232 · Handler
Environment	Temperature : 10-40°C · Humidity : 20-90%RH
Dimension (W*H*D)	337x145x525 mm (6223/6220/6210) 435x132x525 mm (6243/6240)
Weight	15 Kg (6223/6220/6210) · 20 Kg (6243/6240)