



Capacitor Leakage Current/IR Meter Model 11200

KEY FEATURES

- Electrolytic capacitor leakage current test function
- Insulation Resistance (IR) test function
- Constant current DC power source with discharge function
- Forward voltage function for Diode, LED, Zener Diode and Varistor
- Surge voltage test function for electrolytic capacitor (JIS C5101/5102/5140/5141)
- Option contact check function to improve test reliability
- Basic accuracy: 0.3%
- Aluminum-foil withstand voltage and rise-time test function (For EIAJ RC-2364A)
- Precision low constant current charge capability (0.5mA ± 0.05mA, meet EIAJ RC-2364A requirement for withstand voltage testing of lower WV aluminum-foil)
- Large charge current (500mA) capability to fasten charge speed
- 1.0V - 650V / 800V DC voltage source
- 0.001uA - 20.00mA leakage current test range with 4 digits resolution



- Standard RS232 interface
- Optional GPIB & Handler interface
- Digital timer inside
- Comparator and pass/fail alarming beeper function
- Large LCD display (240 x 64 dot-matrix)
- Friendly user interface
- Easy use graphic user interface : softpanel (Option)

The Chroma 11200 Capacitor Leakage Current/IR Meter is Chroma's newest digital leakage current meter. Provides DC 1-650 V, 0.5mA-500mA (150mA for V>100V) DC power source or DC 1-800V, 0.5mA-500mA (50mA for V>100V) DC power source. Mainly used for electrolytic capacitor leakage current testing, and aluminum-foil withstand voltage testing (EIAJ RC-2364A). And also can be used for active voltage checking or leakage current testing of absorber, Zener diode, and Neon lamp etc.

Contact failure between a DUT and the measurement plane of an automatic component handler is a factor to compare error in production line testing. Contact check using the built-in measurement function (option) improves the accuracy and efficiency of comparing.

Standard RS232 interface, optional GPIB & Handler interface, high speed and stable measurement capabilities enable the Chroma 11200 can be used for both component evaluation on the production line and fundamental leakage current testing for bench-top applications.

ORDERING INFORMATION

- 11200** : Capacitor Leakage Current / IR Meter 650V
- 11200** : Capacitor Leakage Current / IR Meter 800V
- 11200** : Capacitor Leakage Current / IR Meter with contact check function 650V
- A110235** : GPIB & Handler Interface
- A110236** : 19" Rack Mounting Kit
- A112001** : Triangle Test Fixture
- A112004** : Softpanel for Model 11200



A112004 : Softpanel of Model 11200

SPECIFICATIONS			
Model	11200 (650V)		11200 (800V)
Main Function	Capacitor Leakage Current / IR Meter		
Test Parameter	LC, IR		
Test Signals Information			
Voltage	1.0 V-100 V, step 0.1 V; 101V-650 V, step 1V; ± (0.5% + 0.2V)		1.0 V-100 V, step 0.1 V; 101V-800V, step 1V; ± (0.5% + 0.2V)
Charge Current Limit	V ≤ 100V: 0.5mA-500mA V > 100V: 0.5mA-150mA, 65W max. step 0.5mA; ± (3% + 0.05mA)		V ≤ 100V: 0.5mA-500mA, 50W max. V > 100V: 0.5mA-50mA, 40W max. step 0.5mA; ± (3% + 0.05mA)
Measurement Display Range	LC : 0.001 μ A-20.00mA		
Basic Measurement Accuracy *1	LC Reading : ± (0.3% + 0.005 μ A)		
Measurement speed (Ext. Trigger, Hold Range, Line Frequency 60Hz)	Fast	77 ms	
	Medium	143 ms	
	Slow	420 ms	
Function			
Correction	Null zeroing		
Test Voltage Monitor	Vm: 0.0 V-660.0V; ± (0.2% of reading + 0.1V)		Vm: 0.0 V-900.0V; ± (0.2% of reading + 0.1V)
Charge Timer	0-999 Sec.		
Dwell Timer	0.2-999 Sec		
Foil WV Tester			
Test Parameter	Tr (Rise Time), Vt (Foil Withstand Voltage)		
Test Signals	Voltage Limit	650 V typical	800V typical
	Constant Charge Current	0.5mA-150mA, step 0.5mA; ± (3% of reading + 0.05mA)	0.5mA-50mA, step 0.5mA; ± (3% of reading + 0.05mA)
Test Display Range	Tr (Rise Time)	0.05-600.0 Sec.	
	Charge Voltage	0.1V-660.0V	0.1V-900.0V
Test Time	30-600 Sec.		
Interface	RS-232(Standard), Handler, GPIB (Optional)		
Display	240 × 64 dot-matrix LCD display		
Trigger	Internal, External, Manual, Bus		
General			
Operation Environment	Temperature : 10°C-40°C Humidity:<90 % RH		
Power Consumption	400 VA max.		
Power Requirement	95-125Vac or 190-250Vac; 48 Hz-62 Hz		
Dimension (H x W x D)	100 x 320 x 346.1 mm / 3.94 x 12.6 x 13.63 inch		
Weight	8 kg / 17.62 lbs		

Note*1 : 23 ± 5°C after Null correction. Refer to Operation Manual for detail measurement accuracy descriptions.