

Capacitance Meter

Model No. **11020**



The Chroma 11020 Capacitance Meter is a high-speed precision Capacitance Meter. Provides 100Hz, 120Hz, and 1kHz test frequencies. Measurement time is only 5 milliseconds in 1kHz, and less than 15 milliseconds in 100Hz and 120Hz test frequencies. Combine with 0.1% basic accuracy and standard Handler interface, enable the Chroma 11020 can be used on high speed production line for various capacitors.

ORDERING INFORMATION

- 11020** : Capacitance Meter
- A110104** : SMD Test Cable #17
- A110211** : Component Test Fixture
- A110212** : Component Remote Test Fixture
- A110234** : High Frequency Test Cable
- A110236** : 19" Rack Mounting Kit
- A110239** : 4 Terminals SMD Electrical Capacitor Test Box (Patent)
- A110244** : High Capacitance Capacitor Test Fixture
- A133004** : SMD Test Box

Capacitance Meter Model 11020

KEY FEATURES

- Test frequencies: 100Hz, 120Hz, 1kHz
- Basic accuracy: 0.1%
- High measurement speed: 5ms in 1kHz, 15ms in 100Hz/120Hz
- Large LCD display (240x64 dot-matrix)
- Wide measurement range: 0.1pF ~ 3.999F
- Standard Handler interface
- Comparator and pass/fail alarming beeper function
- Setups backup function

SPECIFICATIONS	
Model	11020
Test Parameter	Capacitance, Dissipation factor
Test Signals	
Test Level	1V(10% + 3mV)
Test Frequency	100Hz, 120Hz, 1kHz
Output Impedance	Varies as range resistors
Measurement Range	
C	0.1pF~3.999F(100Hz, 120Hz), 0.01pF~399.9uF(1kHz)
Basic Accuracy *1	± 0.1%
Measurement Speed(Fast) *2	
C, Frequency ≥ 1kHz	5ms
C, Frequency =100Hz, 120Hz	15ms
D factor measurement	2ms
Trigger	Internal, External
Equivalent Circuit Mode	Series, Parallel
Interface&Input/Output	
Interface	Handler (24pin)
Output Signal	HI/GO/LO judge (Capacitor),GO/NG judge (D factor)
Comparator	Upper/Lower limits(% , ABS)
Display	240x64 dot-matrix LCD display
Correction Function	Zeroing
Averaging	1, 2, 4, 8, 16, 32, 64
Memory	1 instrument setups
General	
Operation Environment	Temperature:10°C ~ 40°C, Humidity : < 90 % RH
Power Consumption	65VA max.
Power Requirements	90Vac ~ 125Vac or 190Vac ~ 250Vac, 48Hz ~ 62Hz
Dimension (H x W x D)	100 x 320 x 347.25 mm / 3.94 x 12.6 x 13.67 inch
Weight	5.5 kg / 12.11 lbs

Note*1 : The specification of accuracy is under the following conditions :

- 1) Warm up time : >10 min. 2) Environment temperature : 23 ± 5°C 3) OPEN/SHORT offset modification completed

Note*2 : Measurement time includes all of the time for UUT measurement, calculation and primary/secondary parameters identification.