



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.

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

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

| 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~399.9μF(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 | 90 ~ 132Vac or 180 ~ 264Vac, 47 ~ 63Hz |
| 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.

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