

Model **AE-369B** 120Hz/1kHz High Speed Digital C-tan δ Checker

For the sorting machine of Aluminum and Tantalum Electrolytic Capacitor.

Characteristic

- Measuring frequency 120Hz/1kHz[Sine wave]
- Measuring speed 8.2msec.(1kHz)/12.5msec.(120Hz)
- Measuring range C: 0~39.99mF/tan δ : 0~199.9%
- Test mode Serial or Parallel equivalent circuit.
- Comparison output by the built-in comparator.
- Data interface Either GP-IB、RS-232C or Centronics.【Option】



AEMIC CORPORATION,

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SPECIFICATIONS

Measuring range and Accuracy (Ambient temperature 23°C±5°C)

Range	1kHz	40nF	400nF	4 μ F	40 μ F	400 μ F	4mF
	120Hz	400nF	4 μ F	40 μ F	400 μ F	4mF	40mF
C Accuracy		within ±0.3%±2(digits)				within ± γ %±2(digits)	within ±1%±5(digits)
tan δ Accuracy		within ± $\left[\frac{\tan \delta \text{ (digits)} \times 0.3}{100} + 2 + \frac{2000}{C_x \text{ (digits)}} \right]$ digits					within± $\left[\frac{\tan \delta \text{ (digits)}}{100} + \beta + \frac{2000}{C_x \text{ (digits)}} \right]$ digits
Test Mode		Serial or Parallel equivalent circuit					

β : 5(120Hz) / 10(1kHz)

γ : 1(120Hz) / 0.5(1kHz)

In case of tan δ value is 100.0%~199.9%, Accuracy of C and tan δ becomes double.

Measuring Method	5 Terminal Measurement
Measurement Voltage	Below 400mV (r.m.s.)
Measuring Frequency	120Hz/1kHz $\pm 0.1\%$, sine wave
Measurement Time	【Remote start】about 8.2msec.(1kHz) / about 12.5msec.(120Hz) 【Free running】about 3 time/sec.
DC Bias	DC1.5V (built-in) and DC 0~25V(remote)
Use environment	Temp. : 0°C~+50°C, Humidity : below 80%
Power supply	AC85V~265V, 50~60Hz, about 30VA
Outer dimension	333(W) × 99(H) × 300(D)mm (excluding protruding parts such as rubber legs, etc.)
Weight	Approx. 3.8kg

Option

G P - I B	[Only one kind of interface can be provided with the checker]
R S - 2 3 2 C	
Centronics Interface	

※ We will change the specifications of the catalogue without notice by improvement.

AEMIC CORPORATION,

34, Higashikoyanouchicho, Takeda, Fushimi-ku, Kyoto, 612-8448, Japan

TEL: 075-612-0710 FAX: 075-612-0750

E-Mail: sales@ae-mic.com

http://www.ae-mic.com