

Model AE-3245A 5 Rank sorting C-tan δ Checker

Optimum Check in an aging process of electrolytic capacitor

- Contact-check is equipped as standard function.
- Measuring frequency: 120Hz
- Measuring time: approx.105msc.[Including contact check & residual voltage check]
- Measuring range: 0~39.99mF]/tan δ [0~199.9%]
- 5 Rank sorting.
- Centronics interface as standard.



AEMIC CORPORATION,

Model AE-3245A 5 Rank Sorting C-tan δ Checker

SPECIFICATIONS

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

Range	400nF	4 μ F	40 μ F	400 μ F	4mF	40mF
C Accuracy	within $\pm 0.5\% \pm 2(\text{digits})$				within $\pm 2\% \pm 2(\text{digits})$	within $\pm 2\% \pm 5(\text{digits})$
tan δ Accuracy	within $\pm \left[\frac{\tan\delta(\text{digits}) \times 0.3}{100} + 2 + \frac{2000}{C_x(\text{digits})} \right]$ digits					within $\pm \left[\frac{\tan\delta(\text{digits})}{100} + 5 + \frac{2000}{C_x(\text{digits})} \right]$ digits
Test Mode	Serial or Parallel equivalent circuit					

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

Measuring Mode :	Serial Equivalent Circuit
Measuring Voltage :	Below 400mV (r.m.s.)
Measuring Method :	5 Terminal Measurement
Measuring Frequency :	120Hz±0.1%, sine wave
Measuring Terminal :	Front panel: 5-terminal Rear panel: 8 Pins round type metal consent
Contact Check :	Function to output the measurement error when the contact resistance over about 200 Ω is detected at the input terminals more than one.
Input Protection :	Function to protect the measurement circuit when the voltage on the measurement sample which has not been discharged is detected being more than about DC2.2V at the continual 4 terminals. (Residual voltage check)
Measurement Time :	Remote start Mode: Appr. 105msec. 【Contact check & Residual voltage check】 : Appr. 27msec. 【Measurement stabilization time】 : Appr. 45msec. 【Time until the measurement terminal release】 Appr. 96msec. Free running Mode: Appr. 3 cycles/sec.
Comparator setting :	Capacity C : 4 points of LL, L, H and HH : "200 to 3999" Loss tan δ : "1 to 199.9"
Comparator Judgment :	Digital data comparison method
Judgment Result Display :	Capacity: CLO, CLG, CGO, CHG, CHI Tan δ : DGO, DNG Total : C/D-GO
Judgment Result External Output :	G01, G02, CNG, DNG
Control Signal :	Input: START, HOLD, RESET, CINH, SHIFT, NINH, GINH Output: G01, G02, CNG, DNG, CER, COV, DER, DOV, CEND, MEDD, BUSY, SLCT, CGE, VCE and various type of shift judgment.
Data Interface :	Centronics
Use environment :	Temp. : 0°C~+40°C, Humidity : below 80% or less (no condensation)
Power supply :	AC85V~265V, 50~60Hz, appr. 45VA
Outer dimension :	432(W) × 149(H) × 450(D)mm (excluding protruding parts such as rubber legs, etc.)
Weight :	Appr. 10kg

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

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