

Model **AX-3245A** 5 classification digital capacitance checker

Best suitable for inspection of aging process of aluminum electrolytic capacitor



- Contact check function is standard equipment
- Measurement frequency: 120Hz
- Measurement time: general measurement time/about 105msec.  
(Contact& residual voltage check time about 27msec, + stabilizing time 45msec.)  
At the time of free running about 3 times/second
- Installing with digital comparator, 5 classification judgment indication\*output

## Specifications

Measuring range and Accuracy (at23°C±5°C) \*D<1 Series equivalent circuit

Range	400nF	4 μ F	40 μ F	400 μ F	4mF	40mF
C Accuracy	±0.5%±2 (digit)					1%±5 (digit)
tan δ Accuracy	± ( $\frac{\tan \delta (\text{digit}) \times 0.3}{100} + 2 + \frac{2000}{C \times (\text{digit})}$ ) digit					± ( $\frac{\tan \delta (\text{digit})}{100} + 5 + \frac{2000}{C \times (\text{digit})}$ ) digit
Measuring mode	series equivalent circuit					

※When tan δ is 100.0%~199.9%, the accuracy of C or tan δ will be twice the above

Measuring mode	series equivalent circuit
Measuring signal level	less than 400mV (r.m.s.)
Measuring method	signal application 2 terminals signal detection 2 terminals, five terminals measurement structure from guard terminal
Measuring frequency	within 120Hz±0.1%
Measuring terminal	Front panel section: 5 pin terminal The rear panel: Metal Circular Connectors 8P
Contact check	The function to perform measurement error if contact resistance detects over 200 Ω contact check input terminal more than one terminal
Input protection	The function to protect measurement circuit if non-electric discharge voltage of measurement sample detects over 2.2V on 4 terminals connection (stay voltage check)
Measuring time	[HOLD mode measurement time] about 105msec. (Contact check & Check residual voltage) about 27msec. (Time measurement stability) about 45msec. (To open the measurement terminals) about 96msec. [Measurement time free-running mode] about 3 times/sec.
Comparator setting	Capacity C: 4 points LL, L, H, HH "200~3999" Loss tan δ : "1~199.9"
Comparator decision	Digital data comparison method
Judgment result display	Capacity: CLO, CLG, CGO, CHG, CHI tan δ : DGO, DNG Total: C/D-GO
External output result of the judgment	GO1, GO2, CNG, DNG
Control signal	Input: START, HOLD, RESET, CINH, SHIFT, NINH, GINH Output: GO1, GO2, CNG, DNG, CER, COV, DER, DOV, CEND MEND, BUSY, SLCT, CCE, VCE, Various shift determination
Operation condition	[Temp.] 5°C~+40°C [Humidity] less than 85%
Power supply	AC100V~240V±10%, 50/60Hz, about 45VA
Outer dimension	about 432 (W) × 149 (H) × 450 (D) mm (excluding protruding parts such as rubber legs, etc.)
Weight	about 12kg

Remarks ※This product is made to order

Option