

Model

AX-3121A

High Speed, high accuracy 120Hz
Digital Capacitance Checker

Best suited for electrolytic condenser, taping machine of tantalum condenser, and separators



- Fast measurement : 10msec.
- Measuring range : 0.1 μ F ~ 99.9mF
- Measurement frequency : 120Hz (SINE wave)
- 5-terminal measurement method
- Comparison result by built-in comparator is open-collector output and displayed as -NG,GO,+NG by LED and buzzer.
- External DC bias possible. [max.25V]

Specifications

Measuring range and Accuracy (at23°C±5°C) *D<0.5 Series equivalent circuit

Test Current	Measuring range	Accuracy	Measuring voltage	Display
1 μ F	100nF ~ 999nF	within $\pm 0.25\% \pm 1$ digit	less than 100mV	$\pm 49.9\%$
10 μ F	1 μ F ~ 9.99 μ F			
100 μ F	10 μ F ~ 99.9 μ F			
1mF	100 μ F ~ 999 μ F			
10mF	1mF ~ 9.99mF			
100mF	10mF ~ 99.9mF	within $\pm (0.3 + C_s/100) \%$ $\pm (1 + 5D)$ digit		

Measuring method	5-terminal configuration with guard terminal
Measuring frequency	within 120Hz $\pm 0.1\%$, SINE wave
Measuring time	[Remote start mode] 10msec.
	[Free running mode] 50 times per second
Comparator set range	upper limit : +00.0% ~ +49.9%
	lower limit : -00.0% ~ -49.9%
Indication of comparator's comparison result	LED indication -NG/GO/+NG and buzzer
External bias	0 ~ +25V DC
Operation condition	[Temp.] 5°C ~ +40°C [Humidity] less than 85%
Power supply	AC100V ~ 240V selectable, 50/60Hz, about 20VA
Outer dimension	about 333(W) \times 85(H) \times 245(D)mm (excluding protruding parts such as rubber legs, etc.)
Weight	about 3.0kg

Option

- GP-IB Interface
 - RS-232C Interface
 - Printer output (8 bit parallel Centronics)
- *Either one interface can built-in the option above.

- Printer cable