Model

AX-365E

Ultra High speed and High Accuracy, 120Hz/1kHz Digital MLCC Checker

Improvement in Accuracy and Stability of Very Small Capacity Measuring by Adding 2pF Range.

- Available to change of series equivalent circuit and Parallel equivalent circuit.
- Available to measure the signal of constant voltage. (impossible for a part of range)
- Available to measure Tan δ . (impossible for 2pF range)
- Supplying measured current in order to reduce the function of Probe-Contact. [120 μ F/1.2mF range]
- Available to select 3 terminal/5 terminal (Contact Check) On each Range.
- Wide measuring range from very small capacity to large capacity. [2pF～1.2mF range]
- 3½ digit display and LO/GO/HI/Contact Error Output.
- Ultra High Speed measurement: Measurement time Typical value [1.2m sec: FAST mode]

Specifications

Measuring range and Accuracy (at23℃±5℃) *D≦0.1 parallel equivalent circuit

Test Current	Measuring range	Resolution	Accuracy	Measuring voltage	
2pF	0.000pF～ 1.999pF	0.001pF	within ±1.0% of rdg ±5digit× α	1kHz, 1V±5% [rms]	1kHz, 5V±5% [rms]
20pF	0.00pF～ 19.99pF	0.01pF	within ±0.25% of rdg ±3digit× α		
200pF	0.0pF～ 199.9pF	0.1pF	within ±0.2% of rdg ±2digit× α		
2nF	0.000nF～ 1.999nF	0.001nF	within ±0.2% of rdg ±2digit		
20nF	0 .00nF～ 19.99nF	0.01nF			
200nF	0.0nF～ 199.9nF	0.1nF			
2 μ F	0.000 μ F～1.999 μ F	0.001 μ F			120Hz, 0.5V±5% [rms]
20 μ F	0.00 μ F～19.99 μ F	0.01 μ F	within ±0.3% of rdg ±3digit× α		
120 μ F	0.0 μ F～120.0 μ F	0.1 μ F	within ±1.0% of rdg ±5digit× α	1kHz, 1V±5%～－40% [rms]	
200 μ F	0.0 μ F～199.9 μ F	0.1 μ F	within ±0.5% of rdg ±3digit× α		120Hz, 0.5V±5% [rms]
1.2mF	0.000mF～ 1.200mF	0.001mF	within ±1.5% of rdg ±5digit× α		120Hz, 0.5V±5%～－50% [rms]

※in case of 0.1＜D＜1, 25D/100 (%) is added on the above accuracy.
α:2 at FAST (α＝10 at 2.00pF 1.0V) 1 at SLOW (α=5 at 2.00pF 1.0V)

Measuring method	5-terminal measurement (Available to select the measuring method on each range), Parallel equivalent circuit/Series equivalent circuit conversion display
Measuring frequency	120Hz/1kHz±0.1%,SINE wave
Test signal output impedance	about 1.5Ω
Stray Capacity correcting range	about 20pF
Full scale and zero temp.coefficiecy	within ±100ppm/30℃
Measuring time	[Free running] FAST : about 1～5 times/sec. SLOW: FAST × N (N : Setting number of average value) [The time from remote satart to INDEX signal] FAST:1.2m sec (typical value)
Comparator set range	Capacitance : 1999 both for HI and LO [120 μ F, 1.2mF range: 1199 both HI and LO] Tan δ : 99.9%
Operation condition	[Temp.] 5℃～＋40℃ [Humidity] less than 85%
Power supply	AC85V～265V, 50/60Hz, about 50VA
Outer dimension	about 333(W)×99(H)×300(D)mm [excluding protruding parts such as rubber legs, etc.]
Weight	about 4.0Kg

Option