

Model

AX-323N

High Speed Type,  
1kHz Digital Capacitance Checker

High-speed type with a built-in BCD parallel output



- Measuring range : 10.0pF ~ 9.99  $\mu$ F /  $\pm$ 99.9%
- 5-terminal measurement method
- BCD parallel output
- External DC bias possible (max. DC25V)
- Percentage measurement compared with the setup standard value by digital switch (3 digit)
- Comparison result by built-in comparator is open-collector output and displayed as LO, GO, HI by LED and buzzer

## Specifications

Measuring range and Accuracy (at 23°C  $\pm$  5°C) \*D < 0.5 parallel equivalent circuit

Range	Measuring range	Measuring voltage	Accuracy
0	10pF ~ 99.9pF	about 1V (r.m.s.)	within $\pm$ 0.25% $\pm$ 0.25pF $\pm$ 1digit
1	100pF ~ 999pF		
2	1nF ~ 9.99nF		
3	10nF ~ 99.9nF		
4	100nF ~ 999nF		
5	1 $\mu$ F ~ 9.99 $\mu$ F		

Test signal	within 1kHz $\pm$ 0.1%, SINE wave
C offset range	about 10pF
Decision time + measurement	[Remote start mode] about 10msec.
Sampling time	[Free running mode] 50 times per second
Measured value display range	$\pm$ 99.9%
External bias	max.DC25V
Comparator set range	upper limit: +0.0% ~ +99.9%
	lower limit: -0.0% ~ -99.9%
Indication of comparator's comparison result	LED indication -NG, GO, +NG and buzzer
Control signal	Remote start input: "L" [OV] $\rightarrow$ "H" [DC12V] start
	Remote hold input: Open and "H" [DC12V]: Free run/"L" [OV]: Hold
	comparison output: -NG/GO/+NG : open collector: max.50V, 100mA
	end of comparison output [EOC]: open collector: max.50V, 100mA
	BCD parallel output of measured value [BCD]: fan out 2
	Printing command signal: fan out 2
Operation condition	[Temp.] +5°C ~ +40°C [Humidity] less than 85%
Power supply	AC100V ~ 240V selectable, 50/60Hz, about 20VA
Outer dimension	about 260 (W) $\times$ 90 (H) $\times$ 250 (D) mm (excluding protruding parts such as rubber legs, etc.)
Weight	about 2.6kg

Option