

Model

AX-3122N

High Speed Type,
120Hz Digital Capacitance Checker

Ultra-high-speed type with a built-in BCD parallel output



- Measuring range : 100nF~9.99mF/—79.9%~+99.9%
- 4-terminal measurement
- A/D conversion method integrating ultra-high-speed
- Measuring value is displayed in percentage against the reference capacitance value set digitally and comparison result by built-in comparator is displayed as -NG, GO, +NG by LED and buzzer.
- BCD parallel out available
- External bias can be applied (max.DC25V)

Specifications

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

| Range | Measuring range | Measuring voltage | Accuracy |
|---|--|-----------------------------|--|
| 1 | 100nF ~ 999nF | less than 100mV (r.m.s.) | within $\pm 0.25\% \pm (1 + 10D)$ digit |
| 2 | 1 μ F ~ 9.99 μ F | | |
| 3 | 10 μ F ~ 99.9 μ F | | |
| 4 | 100 μ F ~ 999 μ F | | within $\pm 0.3\% \pm (2 + 10D)$ digit |
| 5 | 1mF ~ 9.99mF | | within $\pm 0.5\% \pm (3 + 10D)$ digit \pm CS (mF) / 1mF digit |
| | | | |
| Measuring method | 5-terminal configuration with guard terminal | | |
| Measuring frequency | 120Hz $\pm 0.1\%$, SINE wave | | |
| Measuring time | [Remote start mode] 10msec. | | |
| | [Free running mode] 50 times per second | | |
| Display of measured value (deviation) | $-79.9\% \sim +99.9\%$ | | |
| Comparator set range | upper limit: $+0.0\% \sim +99.9\%$, lower limit: $-0.0\% \sim -79.9\%$ | | |
| Indication of comparator's comparison result | LED indication -NG, GO, +NG and buzzer | | |
| Control signal | remote start input | | |
| | comparison output [LO/GO/HI]: open collector: max.50V, 100mA | | |
| | end of comparison output [EOC]: open collector: max.50V, 100mA | | |
| | ·BCD parallel output of measured value: fan out 2 | | |
| 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