

*For Aluminum Electrolytic Capacitors, Tantalum Capacitors*  
**1kHz / 120Hz CAP-tan  $\delta$  Capacitance Checker**  
***Model 6332***

Comparative judgment — judgment output by Digital Comptator built in . RS-232C standard equipment.

Measurement    1kHz    2.00nF ~ 3.99mF  
                      120Hz    20.0nF ~ 39.99mF



**Measurement time**

- Remote start    Approx. 24msec (1kHz, 120Hz)
- Free running    Approx. 15times/sec

**measurement Frequency**

- 120Hz / 1kHz (changeovre)

**Comparative judgement**

- C : +NG, GO, -NG
- tan  $\delta$  : GO, NG

**RST ENGINEERING CO., LTD**

**KYOTO JAPAN**

# Aluminum Electrolytic Capacitors, Tantalum Capacitors measuring meter

## 1kHz/120Hz CAP-tan $\delta$ Checker Model 6332

Model 6332 is 1kHz/120Hz measuring Frequency changeover type, Multi-classifications Capacitance measuring meter. Good one of Capacitance Comparative Judgement  $\rightarrow$  3 and tan  $\delta \rightarrow$  2 classifications. Comparative judgement result is displayed and output of external signal

Frequency : 1kHz/120Hz (changeover)  
 Super high : Approx.24msec (120Hz,1kHz)  
 measuring time

Measuring limit [C] 2.00nF~39.99mF  
 [tan  $\delta$ ] 0~99.9%

### Specifications

Measuring & accuracy (23°C $\pm$ 5°C) C: 200(COUNT)~3999(COUNT)/tan $\delta$ <99.9%(full scale)

| Range                 | 1kHz  | 40nF  | 400nF     | 4 $\mu$ F  | 40 $\mu$ F  | 400 $\mu$ F | 4mF  |  |
|-----------------------|---|-------|-----------|------------|-------------|-------------|--|--|
|                       | 120Hz   | 400nF | 4 $\mu$ F | 40 $\mu$ F | 400 $\mu$ F | 4mF         | 40mF   |  |
| Cap - accuracy        | $\pm 0.3\% \pm 2(\text{COUNT})$   |       |           |            |             |             | $\pm \alpha\% \pm 5(\text{COUNT})$   |  |
| tan $\delta$ accuracy | $\pm \left( \frac{\tan \delta (\text{COUNT}) \times 0.3}{100} + 1 + \frac{C_x (\text{COUNT})}{500} \right)$ |       |           |            |             |             | $\pm \left( \frac{\tan \delta (\text{COUNT})}{100} + \beta + \frac{C_x (\text{COUNT})}{500} \right)$ |  |
| Measuring mode        | Series equivalent circuit   |       |           |            |             |             |  |  |
| Measuring Voltage     | Open circuit Voltage within 400mV(rms)  |       |           |            |             |             |  |  |

$$\alpha = 0.5 (120\text{Hz}) / 1 (1\text{kHz})$$

$$\beta = 5 (120\text{Hz}) / 10 (1\text{kHz})$$

Measurement way : 5 terminal measurement

Frequency : 1kHz/120Hz Sine wave

Measuring time : Remote start approx 24 msec for both frequency  
 Free running approx. 15 times/sec

DC bias : built in - DC 1.5V Exterior - DC 0V ~ +25V

Comparator setting : CAP both HI & LO 200 ~ 3999 RS-232C setting (+NG,GO, -NG)  
 tan  $\delta$  0 ~ 99.9% RS-232C setting (GO, NG)

Control signal : External HOLD input, Remote start, Comparator resetting input, Comparative ending signal output  
 Equipped RS-232C interface as standard.

Judged output : Open-collector output, C+NG, C-NG, CGO,  $\delta$  GO,  $\delta$  NG, C/DGO

Power : AC100V/117V/220V/240V (changeover) 50/60Hz 30VA approx.

Outer dimensions : 430(W) x 99(H) x 300(D) mm

Weight : approx. 7.5 kg

\* Specifications and design are subject to change without notice for improvement.



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