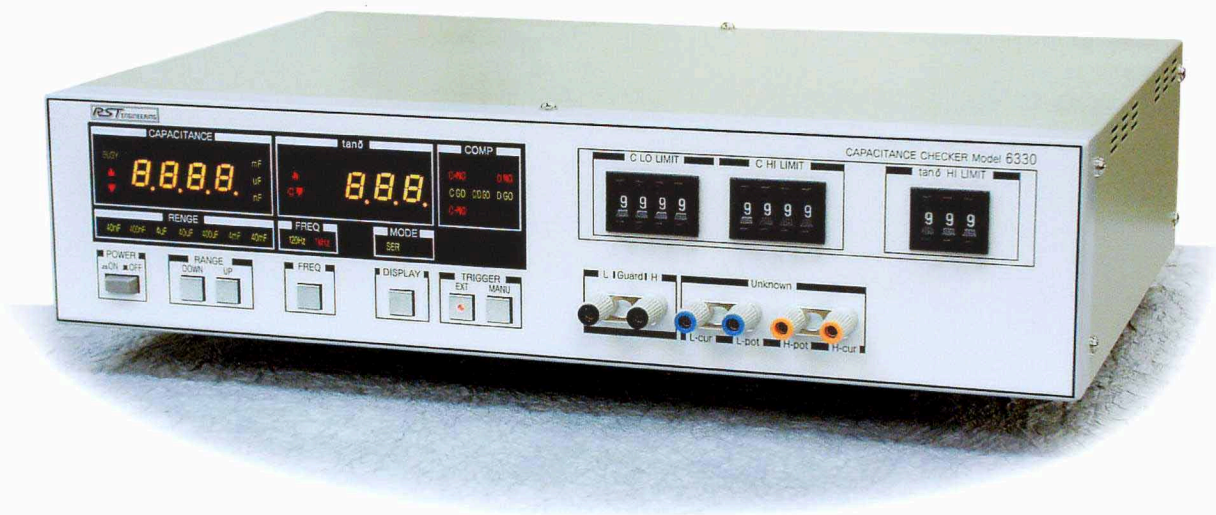


For Aluminum Electrolytic Capacitors, Tantalum Capacitors
 1kHz / 120Hz CAP-tan δ Capacitance Checker
Model 6330

Comparative judgment — judgment output by Digital Comparator built in

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(changeover)

Comparative judgement

- C : +NG、GO、-NG
- tan δ : GO、NG

RST ENGINEERING CO., LTD

KYOTO JAPAN

Aluminum Electrolytic Capacitors, Tantalum Capacitors measuring meter

1kHz/120Hz CAP-tan δ Checker Model 6330

Model 6330 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)	Measuring limit [C] 2.00nF~39.99mF
Super high : Approx.24msec (120Hz,1kHz) measuring time	[tna δ] 0~99.9%

Specifications

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

Range	1kHz	40nF	400nF	4 μ F	40 μ F	400 μ F	4mF	
	120Hz	400nF	4 μ F	40 μ F	400 μ F	4mF	40mF	
Cap - accuracy	$\pm 0.3\% \pm 2(\text{COUNT})$						$\pm \alpha\% \pm 5(\text{COUNT})$	
tan δ 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 Digital Switch setting (+NG,GO, -NG)
tan δ 0 ~ 99.9% Digital Switch setting (GO, NG)

Control signal : External HOLD input, Remote start, Comparator resetting input,

Comparative ending signal output

Judged output : Open-collector output, C+NG, C-NG, CGO, δ GO, δ 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. 7.0 kg

Option : GP-IB, RS-232C, PRINTER output

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



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