

120Hz/1kHz C-tan Checker

Model 6321

- Measuring Limit C : -50.0%~+50.0%
tan δ : 0.0%~+99.9%
- Display Limit -70.0%~+70.0%
- Measuring Time 110msec (3 times measurement)
- Built in Residual Voltage Safeguard Circuit
- Printer output standard equipment
- RS-232C (option)



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RST ENGINEERING CO., LTD

KYOTO JAPAN

120Hz/1kHz C-tan Checker Model 6321

Mode 6321 measures value of Capacitance & Loss Angle Tangent 「CAP - tan」 at high-speed, high stability and sort good or not.

Measures Deviation value (%) and Loss factor (%) between Central value (Nominal Capacitance) of Capacitor to be measured which was set as 「STANDARD」 and Capacitance value of Capacitors to be measured. Measured value displayed each in 3 figures (%)

Damage Protection Circuit

Built in effective Protection Circuit for damage of main Instrument by residual voltage in Capacitors on the process of manufacturing.

Built in PRINTER output as standard (Conform to CENTRONICS)

At every measurements, output measured value and judgement results of 「CAP」 & 「tan」 (Effective only for input of Remote Start or Manual Start 「TRIG」 key switch)

Each setting can be measured at key switch at front panel.

Option : RS - 232C

Specification

Masuring range and Accuracy (at 23 ±50)

Measuring range	Standard setting value	Measuring Frequency	Voltage	Measuring CAP accuracy	tan accuracy
1 μF	100 nF ~ 999 nF	120 Hz / 1 kHz	380 mV _{rms}	within ± 0.5 % ± 2 digit	within ± 2 % ± 2 digit
10 μF	1 μF ~ 9.99 μF				
100 μF	10 μF ~ 99.9 μF				
1 mF	100 μF ~ 999 μF				
10 mF	1 mF ~ 4.7 mF	120 Hz			

Measuring Frequency : 120Hz/1KHz ±0.1 % Sine wave

Measuring way : 5 terminal measurement, Series equivalent circuit.

Measuring time : Remote start Approx. 110msec (3 times measurement)
Free running Approx. 3 times / sec.

Temp. Characteristic : Within ±100ppm /

Voltage for measuring Circuit : DC + 25V max

Measuring range : Capacitance - 50.0 % ~ + 50.0 %
tan 0.0 % ~ + 99.9 %

Display limit : Capacitance - 70.0 % ~ + 70.0 %

Comparator setting limit : Capacitance LIMIT + 0.0 % ~ 50.0 %
-LIMIT - 0.0 % ~ 50.0 %
tan LIMIT 0.0 % ~ 99.9 %

Comparator result display : CAP [LO] [GO] [HI] LED display
tan [GO] [NG] LED display

Input / Output Signal : Input signal = Remote start, Remote printmode request
(Effective only for Remote input, Manual input)

Output signal = CAP 「HI」 「GO」 「LO」 output
(Opencollector output)
tan 「NG」 「GO」 (Opencollector)
CAP - tan 「GO」 outPut
EOC output (Opencollector)

Ambient condition : Temperature +10 ~ 35 Humidity Below 85%

Outer dimensions : 350 (W) × 110(H) × 322(D) mm (Excluding sizes of rubber legs, knobs or switches etc.)

Power supply : AC100V / 117V / 220V / 240V ±10 % approx. 40VA

Subject to change specifications without notice for improvement.



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