%checker

RST ENGINEERING

For ON Line and OFF Line !

Resistance Checker

Model 7110

Contact Check function as standard
Shift output as option

Resolution	±9. 99%
Setting Range	100mΩ~100MΩ (0~999mΩ)
Output signal	HI/GO/LO LED & Buzzer
Power save system	Protect Probe & object to be measured
Contact check	Function can be set freely

RST ENGINEERING
Realize New Era of LCR Measurement

RST ENGINEERING CO.,LTD

KYOTO JAPAN

Resistance Checker Model 7110

for ON Line and also OFF Line

Power save measurement system (below 999kΩ)

Mitigating burden of objects to be measured or contact terminals, protect Probe or objects.
And can reduce measuring error by temperature upward.
Realized reliable 4 terminals measurement.

As standard, 4 ways Contact Check functions can be selected.

① NO Contact Check ② Before and After measurement
③ Before measurement ④ After measurement
★ Contact resistance : over Approx.30Ω

Specifications

■ Measuring range & Accuracy (Accuracy figures are at 23℃±5℃)

Standard set value	Current	Resolution	Accuracy	
			SLOW	FAST
100mΩ ～ 999mΩ	200mA	±9.99%	Within α±2digit	Within β±3digit
1.00 Ω ～ 9.99 Ω	100mA		Within±0.02%±1digit	Within±0.03%±2digit
10.0 Ω ～ 99.9 Ω	10mA			
100 Ω ～ 999 Ω	5mA			
1.00kΩ ～ 9.99kΩ	500μA			
10.0kΩ ～ 99.9kΩ	50μA			
100kΩ ～ 999kΩ	5μA			
1.00MΩ ～ 9.99MΩ	0.5μA		Within±0.04%±1digit	Within±0.1%±2digit
10.0MΩ ～ 100MΩ	0.05μA		Within±γ±2digi	
(mΩcheck)	100mA	0～999mΩ	Within±0.2%±1digi	Within±0.2%±2digit

α=(1000/mΩ set value)×0.01% β=(1000/mΩ set value)×0.02% γ=(MΩ set value/100)+0.3%

Remarks : In case of FAST mode, though can measure, we do not guarantee accuracy at STANDARD set value [10.0MΩ～100MΩ].

■ Measuring time

Frequency	Remote start		Free Running	
	SLOW	FAST	SLOW	FAST
60Hz	20.5msec	12msec	30 per/sec	30 per/sec
50Hz	24 msec	13.5 msec	25 per/sec	25 per/sec

Remarks : Remote start measuring time at working time of Contact check function is total of time listed above and each 1.5 msec of Before & After Contact working time.

■ Measuring way
4 terminals measurement ・・・・・・below 99.9kΩ
2 terminals measurement ・・・・・・100kΩ over & Contact check on or off.

■ Judgement setting limit
Both upper / low limit ・・・・・・±00.0%～±99.9% (mΩ check is 000mΩ～999mΩ)

■ Input / Output signal (Photo ー isolation)
Input signal = START, HOLD
Output signal = HI / GO / LO (judged result)
EOC (Measurement finish)

■ Ambient Temperature ・・・・・・0℃ ～ +50℃
Humidity ・・・・・・below 85%

■ Outer dimensions 250 (W) × 85 (H) × 345 (D) mm
■ Power Supply AC100V / 117V / 220V / 240V 50Hz / 60Hz approx. 30VA
■ Weight 4kg approx.
■ Option RS-232C PRINTER output SHIFT output

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

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