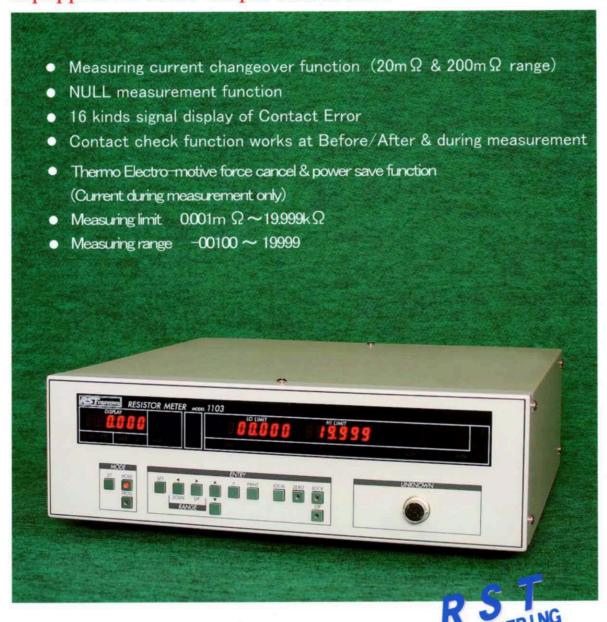


DC OHM Meter (Absolute value display)

Model 1103

 $0.001 \text{m}~\Omega \sim 19.999 \text{k}\Omega$ Resolution $0.1 \mu\Omega$ Equipped RS-232C output as standard



RST ENGINEERING CO., LTD

Realize New Era

LCR Measurement

KYOTO JAPAN

Full Contact Check function OHM Meter Model 1103

16 kinds Contact Error display

Can easy confirm error point at measured value display position and on RS-232C data, forward error point output (Refer right List)

Mearuring curent change function

Can cut off current as 1/2 to measuring object $(20 \text{m}\Omega, 200 \text{m}\Omega \text{ range})$

NULL measuring function

Regarding just measured value as 0Ω, changed value from 0Ω can display as measured value

Full Contact Check function

Twice check at before, after & during measurement.

Thus can be kept high reliability by 4 terminal system measurement.

(C.ER.at contact resistance over 30Ω)

☆ Measuring limit $0.001 \text{m}\Omega \sim 19.999 \text{k}\Omega$

☆ Display limit $-00100 \sim 19999$

☆ Judged value setting limit $-00100 \sim 19999$

☆ Measurement system 4 terminals measurement

☆ NULL setting limit Max. 900 digit

Error	After contact check		Below contact check	
	L terminal	H terminal	L terminal	H terminal
CE 1				*
2			*	
3			*	*
4		- 4		
5		- 1		*
6			*	
7		*		*
8	*			
9	*			*
A				
В	*			*
C		*		
d	*	*		*
E		*		
F	*	*	*	

contact check error point.

☆ Changeover measuring current $20\text{m}\Omega$ range 100mA/200mA50mA/100mA $200 \text{m}\Omega$ range

☆ Thermo Electro-motive force cancell function

Standard function

RS-232C

Specification

■ Measurring limit Accuracy (Accuracy is the figures at temp.23°C±5°C)

Measuring	Di-l liit	Measuring	Acc	curacy
Range	Display limit	current	SLOW	FAST
	-0.100 m $\Omega \sim 19.999$ m Ω	200mA(H.PW)	within ±0.01% rdg ±4digit	within ±0.01% rdg ±5digit
20mΩ	-0.100ms2 ~ 19.999ms2	100mA(L.PW)	within ±0.02% rdg ±4digit	within ±0.02% rdg ±5digit
2000	1.000 - 100.000	100mA(H.PW)	within ±0.01% rdg ±2digit	within ±0.01% rdg ±3digit
$200 \mathrm{m}\Omega$	-1.00 m $\Omega \sim 199.99$ m Ω	50mA(L.PW)	within ±0.02% rdg ±2digit	within ±0.02% rdg ±3digit
2 Ω	$-0.0100 \Omega \sim 1.9999 \Omega$	50mA	-	
20 Ω	$-0.100 \ \Omega \sim 19.999 \ \Omega$	10mA		
200 Ω	$-1.00 \Omega \sim 199.99 \Omega$	10mA	within ±0.01% rdg ±2digit	within ±0.01% rdg ±3digit
2kΩ	$-0.0100 \text{k}\Omega \sim 1.9999 \text{k}\Omega$	1mA		
20kΩ	$-0.100 \text{k}\Omega \sim 19.999 \text{k}\Omega$	100μΑ		

※ H.PW: High power

L. PW: Low power

Accuracy at FAST is the value for which measuring object is shielded perfectly

* Measuring conditions: Single core cable, cable length approx. 1 meter, measuring works are all initial setting status (Thermo electro-motive force cancellation operation)

■ Measuring system

4 terminals measurement

Measuring time

Power	Rem	Free Running	
Frequency	FAST	SLOW	SLOW/FAST
60Hz	Approx. 5msec	Approx. 18msec	5 per sec
50Hz	Approx. 5msec	Approx. 21.5msec	5 per sec

(The FAST measurement includes the contact check operation before and after.)

Judge value setting limit

 $-00100 \sim 19999$

■ Input/Output signal

input signal = START.HOLD

output signal = HI/GO/LO (judged result).

C.E FTC.E (Contact Error)

EOC (End of measurement)

Ambient condition

Temp.: 0 °C ~ 50 °C Humidity: below 85 %

Dimensions

330(W) × 99(H)×300(D) mm (excluding protruding parts such as handle, legs, etc.)

AC 100v/117v/220v/240v (changeover), 50/60 Hz, Approx. 30VA Power supply

Weight

Approx. 6kg

Subject to change specifications for improvement without notice.



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