

# Resistor Checker

## Model RE-1601

- 16 Kinds of Contact Error display
- Contact check before and after measurement
- Outstanding Function

Output of PRINTER

7000 data memory at every measurement

Statistical Analysis

- Measuring limit  $1\text{m}\Omega \sim 100\text{M}\Omega$
- Display limit  $\pm 9.99\%$  or  $\pm 99.9\%$
- Measuring time 5msec



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# Full Contact Checking Function

## Resistance Measuring & Check Instrument Model RE -1601

16 kinds of Contact Error display  
Contact error points are indicated at display part of TOLERANCE. You can confirm error points at a glance and error points are printed at printout data. Refer to right side list (same at RS-232C)

### Contact check before & after measurement

At every measurements, check contact before and after measurements (two times) at super high speed (at over 10 range, after check only). Insure more higher reliability 4 terminal measurement. (approx. 5 at range between 30 to 1 range of contact resistance.)

Measuring limit  
1 m ~ 100 M

Display limit  
± 9.99% or ± 99.9%

### Judged value setting

± 0.00% ~ ± 9.99%

(HI-QUALITY ON)

± 0.0% ~ ± 99.9%

(HI-QUALITY OFF)

Measuring way  
4 or 2 terminal measurement

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

### Other outstanding functions

- \* 7000 data memory at every measurement.
- \* Statistical Analysis.
- \* Output of PRINTER.

## Specifications

Measuring limit & Accuracy ( figures are at 23 ± 5 )

STANDARD Setting value	Measuring Current	Display limit	Accuracy			
			HI-QUALITY ON		HI-QUALITY OFF	
			SLOW	FAST	SLOW	FAST
10 m ~ 999 m	200 mA	± 9.99% HI-QUALITY ON	within ±1digit	within ±3digit	within ±1digit	within ±1digit
1.00 ~ 9.99	100 mA		within ± 0.02% ± 1digit	within ± 0.02% ± 2digit	within ± 0.15% ± 1digit	within ± 0.15% ± 1digit
10.0 ~ 99.9	10 mA					
100 ~ 999	5 mA					
1.00 k ~ 9.99 k	500 µA	± 99.9% HI-QUALITY OFF	± 0.04% ± 1digit ± 2digit	0.1% ± 1digit	± 2digit	± 0.2% ± 1digit ± 0.4% ± 1digit
10.0 k ~ 99.9 k	50 µA					
100 k ~ 1.00 M	5 µA					
1.01 M ~ 10.0 M	0.5 µA					
10.1 M ~ 100 M	0.05 µA					
( m check )	100 mA	0 ~ 999 m			± 0.15% ± 1digit	± 0.2% ± 1digit

: ± (1000/set value m) × 0.01% : ± (1000/set value m) × 0.02% : ± (set value M / 100)

Figures of Accuracy at FAST are the ones perfect shield condition of object to be measured.

Measuring 2 & 4 terminal Auto-changeover OFF : 2 & 4 terminal Auto changeover ON  
4 terminal measurement at all : below 99.9 K (STANDARD) 4 terminal  
: over 100 K (STANDARD) 2 terminal

Measuring time

Frequency	Remote Start		Free Running	
	FAST	SLOW	FAST	SLOW
60 Hz	5 msec	18 msec	30 per sec	20 per sec
50 Hz	5 msec	21.5 msec	25 per sec	16.7 per sec

Judged value setting limit R,L,SLOW, FAST..... ± 0.00% ~ ± 9.99% [HI-QUALITY ON]  
± 0.0% ~ ± 99.9% [HI-QUALITY OFF]  
In case of m check ..... 000 m ~ 999 m

Input/Output signal input signal = START, HOLD  
output signal = HI/GO/LO (judged result). C.E (Contact Error)  
EOC (End of measurement)

Ambient condetion Temp. 0 ~ + 50 Humidity below 85 %  
Dimensions 330(W) × 99(H) × 300(D) mm (excluding protruding parts such as handle, legs, etc.)  
Power supply AC 100/117/220/240V (changeover) 50/60Hz, Approx. 30VA.  
Weight Approx. 5.5 kg

Subject to change specifications for improvement without notice.



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