% check

RST ENGINEERING

Super High Speed Measurement High Stability Type

Up-to-date model correponding to High Speed Taping Machine

Super High Speed Digital Resistance Checker

Model 1608

RST ENGINEERING CO.,LTD

KYOTO JAPAN

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Super High Speed Digital Resistance Checker Model 1608

Contact check function

Contact check function works super high speed at every measurement is made after measurement and by 4 terminal measurement way, realized high level reliability.
(Contact error at contact resistance over 30Ω)

3 kinds of CE display function

When caused CE(contact error), CE point is displayed at TOLERANCE display position and can be confirmed CE point at a glance. Also,CE point is printed at data of print.Same works at RS-232C

* CE point at H terminal side ..... display as [CE4]
* CE point at L terminal side .....display as [CE8]
* CE point at L&H terminal side....display as [CEC]

☆ **Measuring limit : 1mΩ～100MΩ**

☆ **Display limit : ±9.99%or±99.9%**

☆ **judgment value : ±0.00%～±9.99%**
setting limit (HI－QUALITY ON)
±00.0%～±99.9%
(HI－QUALITY OFF)

☆ **Measuring way** : 4 terminals or 2term--inals measurement

● Standard functions : Standard functions : Function of 7000 memories at every measurements and statistic analysis, print output

Specification

■ Measuring limit & Accuracy (value of accuracy are at 23 ℃ ±5 ℃)

STANDARD settig value	Measuring currency	Display limit	accuracy	
			HI-QUALITY ON	HI-QUALITY OFF
10 mΩ ～ 999mΩ	50mA	±9.99% HI-QUALITY ON ±99.9% HI-QUALITY OFF	within α ±3digit	within±0.2%±1digit
1.00 Ω ～ 9.99 Ω	20mA		within±0.03%±2 digit	within±0.15%±1 digit
10.0 Ω ～ 99.9 Ω	10mA			
100 Ω ～ 999 Ω	5mA			
1.00 KΩ ～ 9.99KΩ	500μA			
10.0 KΩ ～ 99.9KΩ	50μA			
100 KΩ ～ 1.00MΩ	5μA			
1.01MΩ ～ 10.0MΩ	0.5μA		±0.1%±1digit	±0.2%±1digit
10.1MΩ ～ 100 MΩ	0.05μA		β±1digit	β±1digit
(mΩcheck)	20mA	0～999mΩ	±0.2%±1digit	

α : ± (1000/set value mΩ) ×0.01%　　β : ± (set value MΩ/100) %

■ Measuring way　Incase of OFF 2 &4 terminal auto change
all ranges are 4 terminal

In case of ON 2 &4 terminal auto change
below 99.9kΩ(standard) .....4 terminals
over 100kΩ(standards)..... 2 terminals
For over 100kΩ, contact check works is cancelled

■ Measuring time

STANDARD setting value	Remote start	Free running
010 mΩ ～ 999mΩ	1.6 msec	60 per/sec (60Hz)　50 per/sec (50Hz)
1.00 Ω ～ 1.00MΩ	1.4 msec	〃
1.01MΩ ～ 10.0MΩ	5 msec	〃
10.1MΩ ～ 100 MΩ	19.5msec (60Hz)　22.8msec (50Hz)	30 per/sec (60Hz)　25回 per/sec (50Hz)

The above times are the whole measured time from remote start input to measurment ending signal output including contact check working

■ Judgement value setting limit　Upper & Under limit　±0.00% ～ ± 9.99%　[HI-QUALITY ON]
±00.0% ～ ± 99.9%　[HI-QUALITY OFF]
※ mΩ check　000mΩ ～ 999mΩ

■ Input/Output signal　Input siganl = START, HOLD　Output siganl = HI/GO/LO (judged result)
C.E. (Contact error)　E.O.C. (Measurement ending))

■ Operation ambient　Temp.: 0 ℃～ 50 ℃　Humidity : below 85%

■ Dimensions　328(W) × 99(H) × 300(D) mm

■ Power supply　AC 100V/117V/220V/240V 50/60Hz　approx.30VA

■ Weight　approx.. 5.5 kg

Option　RS－232C

※ Subject to change specifications for improvement without notice.

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