

ISOLATED RESISTORS ARRAY CHECKER

Model 9040

- ★ High speed measurement (below 5.4 msec for 4 elements)
- ★ Measuring range $1\text{m}\Omega \sim 5\text{M}\Omega$
- ★ Insulation applying Voltage 50V
- ★ IR possible for both ON and OFF
- ★ Tracking check function is equipped as standard

possible for 8 elements checking as option



Measured data of each channels and judged results are fed as data of one work.
 (RS-232C)

Scanner circuit is maintenance free by Semi-conductor Relay.

RST ENGINEERING CO., LTD
 KYOTO JAPAN

ISOLATED RESISTORS ARRAY CHECKER Model 9040

Model 9040 is specially developed checker which measure and judge for measuring multiple isolated resistors array at high speed and accuracy.

Equipped with tracking function which check dispersion of elements and for IR check, contact check and H & L judgement are made at same time at 50V applied. Scanner circuit is maintenance free by semi-conductor relay.

In case of RS-232C equipment, measured data of each channels and judged results are fed as data of one work.

Outstanding Function : Contact check, Tracking check, IR check function and Output of printer

Option : RS-232C, GP-IB, 8 elements checking

Specifications of Measuring section

Measuring limit & Accuracy (figures are 2 3 ± 5)

STANDARD Setting value	Measuring Current	Display limit	Accuracy
1.00 ~ 9.99	20mA	± 9.99%	within ± 0.05% ± 2 digit
10.0 ~ 99.9	10mA		
100 ~ 999	10mA		
1.00 k ~ 9.99 k	1mA		within ± 2 digit
10.0 k ~ 100 k	100µA		within ± 0.2% ± 2 digit
101 k ~ 1.00M	10µA		within ± 5 digit
1.01M ~ 5.00M	1µA		within ± 0.2% ± 2 digit
(m check)	20mA	0 ~ 999m	within ± 0.2% ± 2 digit

: ± 0.05% ± (set value k /10) × 0.01%

: ± 0.3% ± (set value M /20) %

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

Measuring method 2 & 4 terminal Auto-changeover OFF 2 & 4 terminal Auto changeover ON
4 terminal measurement at all below 100k (STANDARD) 4 terminal
over 101k (STANDARD) 2 terminal

Contact check function changeover ON OFF

Comparator setting range ±0.00 % ~ ±9.99 % for both high and low limit

Specifications of Scanner section

Numbers of channel 4ch (standard) 8ch (option)

Insulation apply Voltage 50V

Insulation judgement level 100k ~ 20M variable

Tracking setting range 0.00 % ~ 9.99 % (maximum value - minimum value)

Display of judgement Contact check LED (GO, NG) Insulation check LED (GO, NG)
Resistance check (GO, NG) Tracking check LED (GO, NG)

Display of channel 1 figure

Insulation judgement accuracy ± 5 %

Common Specifications

Measuring time Below 100k approx. 1msec + approx. 1.1msec × Nch
(Tracking ON IR check ON) Over 101k approx. 1.7msec + approx. 2.3msec × Nch
(include Insulation, Contact check & tracking-check)

Input/Output signal Input = START
Output = EOC, IR NG (Insulation NG)
RNG, TOTAL GO
TOTAL NG, CONTACT NG } Output after sythetic judgement
Opencollector output
12V 50mA

Ambient condition Temperature = 0 ~ + 50 Humidity = below 85%

Outer dimension 328(W)×145(H)×306(D) mm (without feet and handles, legs, etc.)

Power source AC100V ± 10% 50/60Hz (AC 117V / 220V / 240V Option)

Weight 6.8kg approx.

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



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