

## DIGITAL MICRO OHM METER MODEL : DAC-MRG-1

**SOKEN**

DAC-MRG-1 has been designed to measure low resistance of coil resistance such as large electric appliances and power cables stably operating on Voltage Drop Method.



On Site Test Type:  
DAC-MRG-1

4 terminal measurement provides highly accurate measurement results.

Besides, it enables to measure specimen which has induced voltage by combining with DAC-IVE-1 provided as option.



Desk Top Type: DAC-MR-1U

Two different designs are available for your test location.

### ■ Application : Resistance Measurements

( Power Cable, •Electric Wire, Switches, Relays, Transformer, welded part )

- Feature
- Measuring Current 10A / Minimum resolution 0.1  $\mu\Omega$
  - Internal 3 steps filter circuit allows to the stable field test.
  - An alarm LED is turned on while a test sample is charged.
  - For safety test Discharging Monitor Circuit is provided so that the test sample is discharged.

### ■ Specification

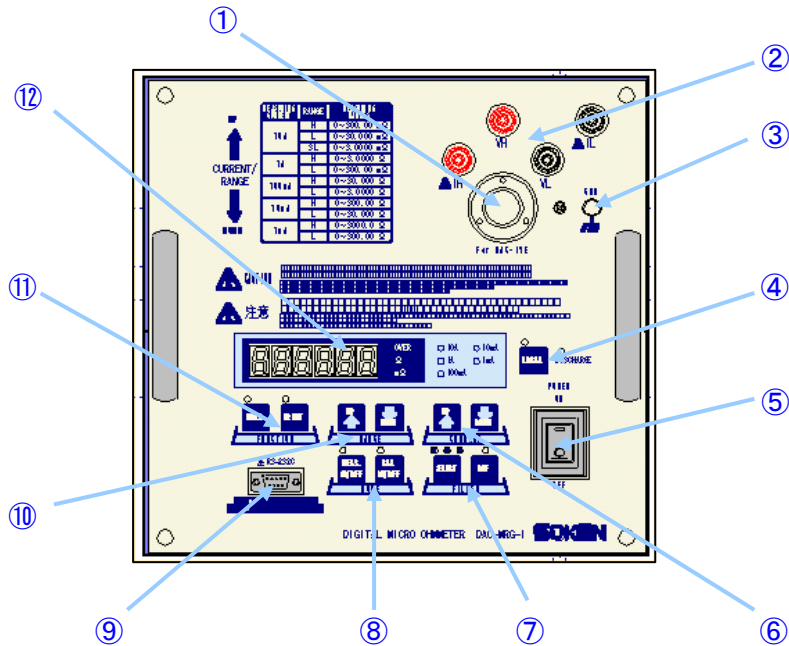
Measuring Current	Measuring Range	Min. Resolution	Measuring Mode
10A	0~3.0000m $\Omega$	0.1 $\mu\Omega$	SL
	0~30.000m $\Omega$	1 $\mu\Omega$	H
	0~300.00m $\Omega$	10 $\mu\Omega$	L
1A	0~300.00m $\Omega$	10 $\mu\Omega$	H
	0~3.0000 $\Omega$	100 $\mu\Omega$	L
100mA	0~3.0000 $\Omega$	100 $\mu\Omega$	H
	0~30.000 $\Omega$	1m $\Omega$	L
10mA	0~30.000 $\Omega$	1m $\Omega$	H
	0~300.00 $\Omega$	10m $\Omega$	L
1mA	0~300.00 $\Omega$	10m $\Omega$	H
	0~3000.0 $\Omega$	100m $\Omega$	L

- Display : Digital Display 5 digits max. 31999
  - Accuracy :  $\pm(0.2\% \text{ Rdg} + 1 \text{ digit})$  ※2000digits or more
  - Data Output : Analog10000digits/DC1V
  - AC Mains : AC85~132V/170~264V 50/60Hz
  - Electric Power Consumption : Approx. 150W (on measuring 10A)
  - Size/Weight : On-Site Type: W320×H160×D300mm Approx 10kg  
Desk Top Type: W370×H132×D370, Approx 9.3kgs
  - Interface : RS232C
  - Option : Thermal Printer Kit • Aluminum Trunk Case
- An optional length and clips for measuring cables are available.

# Digital Micro Ohmmeter

MODEL : DAC-MRG-1

## Explanation of Panel



- ① Connector for DAC-IVE-1
- ② Connecting Cable for 4 terminal measuring cable.
- ③ GND terminal
- ④ Interface Local Key
- ⑤ Power Switch
- ⑥ Measuring Current Setup Key
- ⑦ Filter Selecting Key
- ⑧ MEAS · CAL Key
- ⑨ RS232C Connector
- ⑩ Range Selecting Key
- ⑪ Display HOLD and PRINT Key
- ⑫ Digital Display

## Standard Accessories

- 4 terminal Measuring Cable ( 3 meters) ..... 1 pc
- AC Cord ..... 1 pc
- Spare Fuse ( 3A ) ..... 1 pc
- Grounding Cable, Grounding Clip ..... 1 pc



Option: DAC-SCM-1  
10ch Switching Box/Max Testing Current: 10A  
Max 50ch's by combining 4 sets in series

## Option

### Induced Voltage Eliminator Model : DAC-IVE-1

#### Outline :

DAC-IVE-1 has been designed for an optional unit of Digital Micro Ohmmeter DAC-MRG-1 to eliminate induced voltage of test samples with a built-in filter.

Portable in an aluminum trunk case.

#### Usable Range:

Current Range of DAC-MRG-1	Inductive Voltage Range
10A	50V or more
1A	100V or less

Size & Weight : W330×H205×D270mm Approx 15kg



Specifications are subject to change for improvements without prior notice.



**SOKEN** SOKEN ELECTRIC CO., LTD.

〒182-0035 3-57-124, Kami-Ishihara, Choufu-City, Tokyo, Japan  
TEL 0424-90-6929 FAX 0424-90-6807  
s2258@socket-jp.com www.socket-jp.com

Main Office / Factory  
ISO9001 Certified