HIGH VOLTAGE INSULATION TESTER
DAC－HIT－3

SOKEN

DAC-HIT-3 is a tester that has been developed to make automatic measurements of direct current tests of appliances such as high voltage rotating machines and stator coils. The measurement voltage is output between DC 0-10kV, and after selecting polarization index (PI) mode or leakage index (LI) mode, measurement is conducted automatically for the designated duration at the configured voltage. In addition, using the memory function, data can be stored at each time, and data can be checked by using the MEM keys in front of the tester.

Furthermore, GP-IB interface that allows easy integration of automatic test systems is equipped, so can be used in insulation diagnostic systems.

Application: Direct current tests of high voltage rotating machines and stator coils.

■**Application:** Direct current tests of high voltage rotating machines and stator coils.

■**Features:** Maximum output voltage
Polarization index (PI) and leakage index (LI) are automatically measured
GB-IB included suitable for optimization

■**Specification**

●**Output Voltage** DC 0-10000V negative polarity

●**Measuring Range**:

Absorption Current 1x10-10 - 1x10-3A

Insulation Resistance 1M ohm-9999G ohm

200nA Range	0-200nA	(Maximum 9999 G ohms)
2uA Range	0-2uA	(Maximum 999.9G ohm)
20uA Range	0-20uA	(Maximum 99.99 G ohms)
200uA range	0-200uA	(Maximum 9999M ohm)
2mA Range	0-2mA	(Maximum 999.9M ohm)

●**Resolution:** Absorption current 0.1nA (200nA Range)
Insulation Resistance 0.1MΩ (2mA Range)

●**Measuring Accuracy**: Current 200nA - 20uA ±10%±1digit FS
200uA - 2mA ±5%±1digit FS
Votlage ±5%±1digit FS

●**Interface**: GP-IB

●**Analog Output**: Range F.S +10V

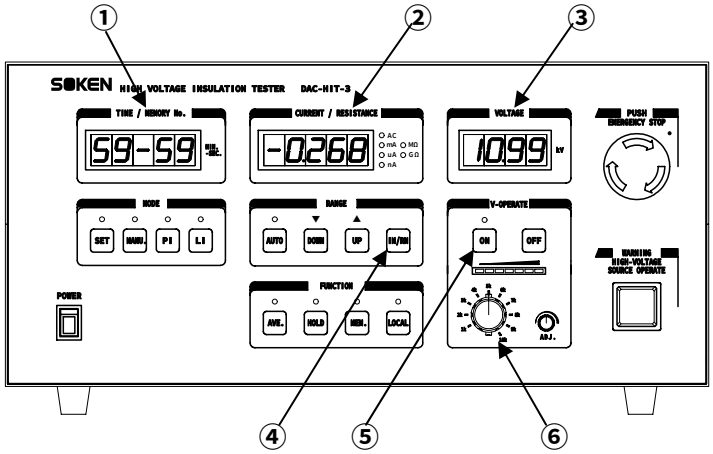
●**AC Input:** AC90 - 250V 50 / 60Hz

●**Size and Weight**: W430＊H200＊D380(mm) 12kg

●**Accessories**:

1. Measuring Cable (5M)	1
2. AC Power Code	1
3. Grounding Cable (5M)	1
4. Accessory Bag	1

■Front Panel



①Measurement time, Memory No.　②Current and Resistance
③Test voltage　④Current/Resistance switch key
⑤Test Voltage Applying Key　⑥DC Voltage Change Switch

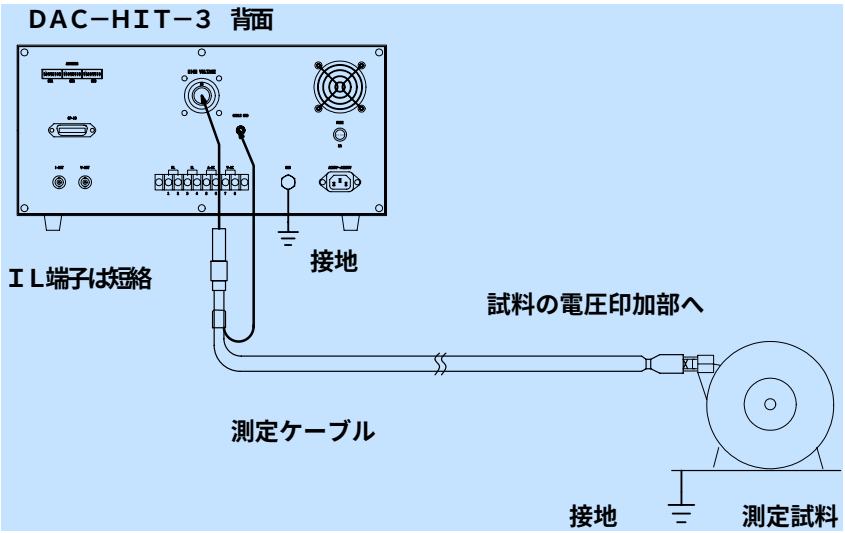
●PI (polarization index) test : Measurement for 10 minutes at designated voltage

Data memory points: 24 points
Memory data intervals: 10-second intervals from 10 seconds to 1 minute, 30-second intervals from 1 minute to 10 minutes
PI = value at 1 minute after applying voltage / value at 10 minutes after applying voltage

●LI (leakage index) test : After PI test (10 minutes), leakage current is measured for 10 minutes in discharging condition.

Data memory points: 48 points (including 24 points in PI test)
Memory data intervals: 10-second intervals from 10 seconds to 1 minute, 30-second intervals from 1 minute to 10 minutes, 10-second intervals from 10 minutes to 11 minutes, 30-second intervals from 11 minutes to 20 minutes
LI = value at 10 minutes after applying voltage / value at 10 minutes after starting discharge

■Connection diagram



SOKEN SOKEN ELECTRIC CO., LTD.
1-34-22, Tobitakyu, Chofu, Tokyo 182-0036
TEL +81-42-490-6929 FAX +81-42-490-6807
http://www.soken-jp.com e-mails2258@soken-jp.com