Option

DC cut capacitor box　　DAC-CHR-1B

This box, combined with HOTLINE winding resistance measuring instrument, has blocking capacitors inside so that testing currents may not flow into AC line. It is surely required for measurement under energized. An appropriate capacitor must be selected in accordance with testing currents.

●*Specifications*

・Built-in capacitor　　：　Electrolytic capacitor

・Maximum-allowed-current value：470μF‥2A, 4,700μF‥7A, 47,000μF‥23A
(One-piece each built-in　Protection diode 、Arrestor included)

・Size & weight　　：　W210xH133xD160mm　approx. 3 k g

●*Optional capacitors for single phase, 3 phases, and large current specification etc., are available.*

Temperature sensor　　PT100

Ambient temperature is automatically taken in by connecting the sensor with DAC-HRT -1.

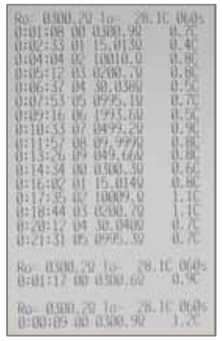
●*Specifications*

・Standard　　：　PT100 Standard　(C1604-198　9 Resistor)

・Temperature measuring range　　：　- 50-150 degrees C

・Accuracy and resolution　：　0.5 degree-C or less, 0.1 degrees C

Thermal Printer　　DPU-H245AS-B03A　　Seiko Instruments Make



Printing Sample

BY connecting with DAC-HRT -1 -- measured resistance value and temperature equivalents are printed out. If interval mode is used, measurement data automatically recordable for every time.

●*Specifications*

・Printing system　　：　Admiration heat line dot system

・Power Source　　：　AC/DC adaptor (100V-240V) -- or Internal battery (NiMH battery)　　12-hour charge

・Size weight　　：　W135xH38xD100mm
Approx. 390g

Selection control box　　DAC-SCB-2

This control box is combined with DAC=HRT-1 to change a number of testing specimens one by one to measure separately.

●*Specifications*

・The number of change channels　　：10 channels

・Testing power capacity：AC250V15A or　450V10A

・Power Source　　：AC100V/200V±10% 50 / 60Hz

・Size & weight　　：W430xH200xD385mm approx.16kg

SOKEN ELECTRIC CO., LTD.

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※This catalog was made as of December, 2004.

□Specifications are subject to change without prior notice. And, please confirm the latest specification and price when purchasing.

SOKEN

HOT LINE

HOT LINE COIL RESISTANCE & TEMPERATURE METER

DAC-HRT-1

Coil Winding Temperature Test under energized in AC voltage!!

JIS 5311 standard test

本社・工場
ISO 9001 認証取得

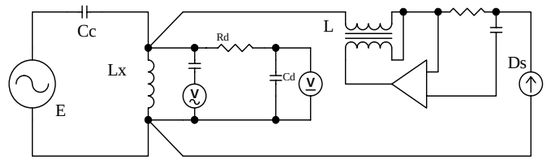
General

This measuring instrument, based on a testing standard JIS5311, can measure resistances of coil winding of motors and transformers under energized in AC voltages. The measured resistances are automatically calculated by an internal CPU to give an equivalent in temperature.

It is possible to ensure the safety in the rise in heat of electrical machineries like motors and transformers.

Measurement principle

Alternating voltage (E) is supplied to the sample (Lx). In the state, a direct testing current is superimposed from a constant current source (Ds), and the voltage (E) component is eliminated by Rd and Cd to measure by Potential Drop Method.
At this time, so that the testing current from a constant current source may not flow into AC power supply, a blocking capacitor, Cc, is combined. And an electronic inductance (L) is combined so that AC power source may not flow into the constant current source.



E :AC test source
Cc:DC cut capacitor
Lx:Test sample
Ds:Constant DC current source
Cd:Detecting capacitor
Rd:Detecting resistor
L :Electronical inductor
AC voltmeter
DC voltmeter

Features

- Maximum 450V AC test available.
- GP-IB and RS232C as standard
- With Temperature sensor PT100 (option). It can respond to the change in environmental temperature.
- With Selection Control Box(option), DAC-SCB-2 a number of specimen can be measured in series.
- With Thermal printer (option) measured value and a temperature equivalent can be printed out.

Applications

●Motor
・For home appliances, industry and Telecommunications
・Compressor Motor for Air conditioner

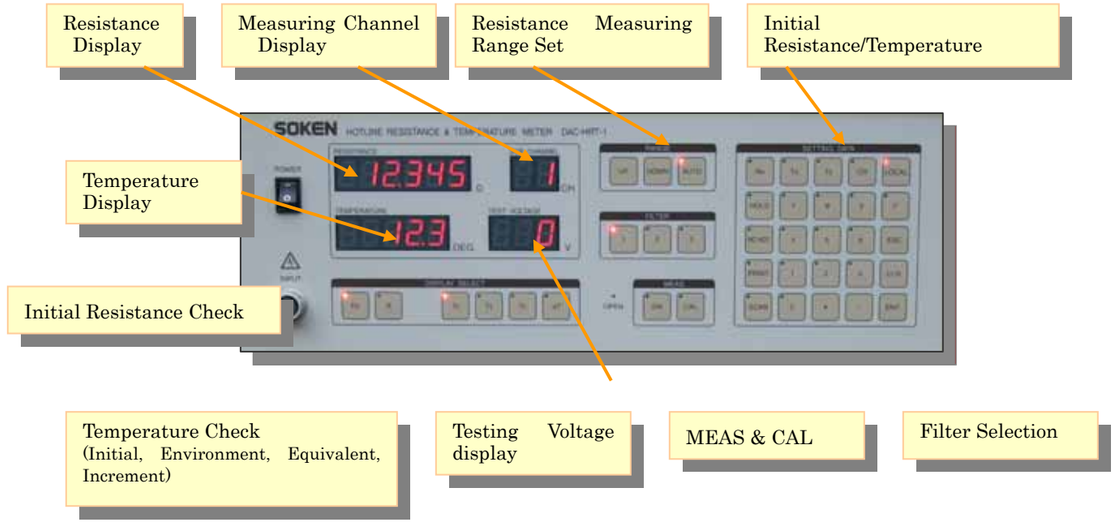
●Transformer Choking Coil
・Home Appliances
・Audio and Video equipment
・Microwave oven
・For medical equipment

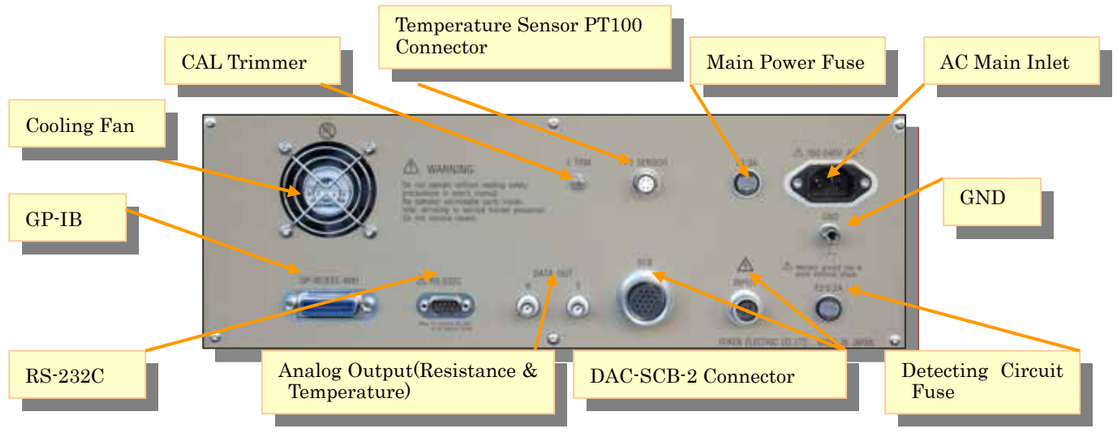
Specifications

●Resistance Measuring Range：
20Ω range :0 – 40.000Ω
200Ω range ：20.00 – 400.00Ω
2000Ω range ：200.0 – 4000.0Ω
20000Ω range： 2000 - 40000Ω
●Test specimen applied voltage：Max. AC450V (50/60Hz)
●Measuring Input Impedance：200kΩ or more(50/60Hz)
●Minimum resolution ： 1mΩ(20Ω range)
●Display：
Resistance：5 digitals, Max display“41000”
Temperature：
5 digitals、Max display “999.9”(℃)“1999.9”（F°）
Voltage：3 Digitals, Max display “550”

●**Measuring Accuracy**：±(0.05%fs+2 digits)
●Interface：GP-IB, RS232C
Data Printout (Option)
●Power Sorce：
AC100V – 240V ±10% 50/60Hz
●Size ：W430mmxH150mmxD385mm
●Weight：18kg
●Option
1. Temperature Sensor (Pt100)
2. Thermal Printer (Serial Interface)
3. DC Blocking Capacitors
4. Selection Control Box (DAC-SCB-2)

Panel explanation





Main User
Domestic JET JEMIC JQA
Overseas ●UL(USA, Hong Kong) ●BSI (Britain) ●EI (Finland) ●CSA (Canada) ●EEA (Egypt) ●VDE (Germany) ●SEMKO (Sweden) ●KEMA (Netherlands) ●広州電気安全試験室(中国) ●検研局(中国) ●上海浦東海関 進出口商品検験局(中国) ●美華認証(蘇州 UL)有限公司(中国) ●上海医療器械検験局(中国) ●広州電器検測研究所(中国)●広東省広州進出口商品検験局(中国) ●浙江省技術監督局方園検測有限公司(中国) ●安徽省合肥通用機会研究所(中国) ●Small and Medium Business Administration (Korea) ●Korea Institute of Industrial Technology(KITECH) Korea ●Korea Electrotechnology Reserch Institute(KERI) Korea ●Korea Electric Testing Institute(KETI) Korea ●Korea Testing Laboratory (Korea) ●Korea Electrical Safety Corporation(KESCO) Korea ●Korea Electronics Technology Institute(KETI) Korea