

Automatic Schering Bridge Model DAC-ASM-5C

C & tan δ AUTOMATIC MEASURING SET

SOKEN

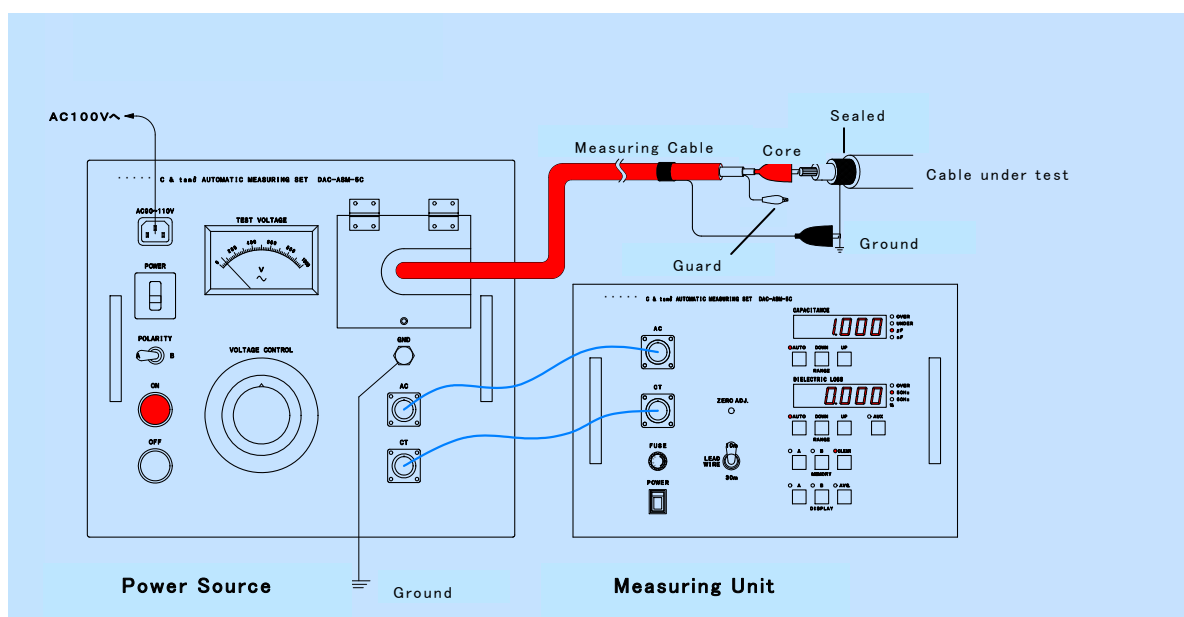
The set, DAC-ASM-5C, is designed for one-site measurements of capacitance and tan δ for High Voltage Cables and Electric Machines. The set is composed of a display unit and a testing source unit, and is transferable from testing sites to sites. The source is built-in to supply testing voltages at AC200V – 1000V. The polarity can be changed to escape from induced voltages at the sites.



■ Features

- A standard capacitor and a high voltage current transformer are built-in the separate testing source unit from the display unit. The current transformer isolates high potentials from the display unit for safe operations.
- A built-in current comparator, introducing a self-balancing circuit, is designed for automatic high and precious measurement of capacitance and tan, to achieve high resolutions with reproducibility.
- The testing source can be switched in polarity and a mean value is given.
- A measuring cable is sealed in double to provide as option in 10 meter and 30 meter length. A compensation circuit of the cable's losses is introduced.

■ Connections of measuring high voltage cables



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■ Specification

- **Test Voltage** AC200~1000V, 50/60Hz
- **Measuring Range**

Capacitance (5Range)	1nF~15uF
tan δ (3Range)	-100%~100%
Capacitance Range	4nF Range : 1nF~ 4nF
	40nF Range : 4nF~ 40nF
	400nF Range : 40nF~400nF
	4uF Range : 400nF~ 4uF
	40uF Range : 4uF~ 15uF
- **Accuracy**

Capacitance	$\pm 3\%$ Rdg.(+2digit)
tan δ	$\pm 0.02\%$ (3%Rdg.+2digit)
- **Minimum Resolution**

Capacitance	0.01nF
tan δ	0.01%
- **Output Current** Max 417mA
- **Power Supply** AC100V $\pm 15\%$, 50/60Hz
- **Dimensions & Weight**

*The ranges are subject to the capacity of the testing source.

tan δ Range	1% Range	: -2%~ 2%
	10% Range	: -20%~ 20%
	50% Range	: -100%~ 100%

Measuring unit : W410mm \times H410mm \times D290mm (in an aluminum trunk, 15kg)
Power Source : W398mm \times H493mm \times D343mm (Without projections, 30kg)

*Measuring Cable Losses are compensated in accordance with the length, 10m or 30m. The compensation is set at factory before delivery.

*Testing source can be switched in polarity to give mean values so that the set escapes from induced voltage effects.

■ Composition

- Main Unit
- Testing Source
- Measuring Cable (10m/30m)
- Exclusive Connecting Cable
- Power Cable
- Grounding Cable
- Accessory Bag
- Calibrating Capacitor
- Option: Measuring Cable, 30m



Specifications are subject to change for improvements without prior notice.



Main Office · Factory
ISO9001Cert Obtained

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