

## C & tanδ AUTOMATIC MEASURING SET DAC-ASM-5C

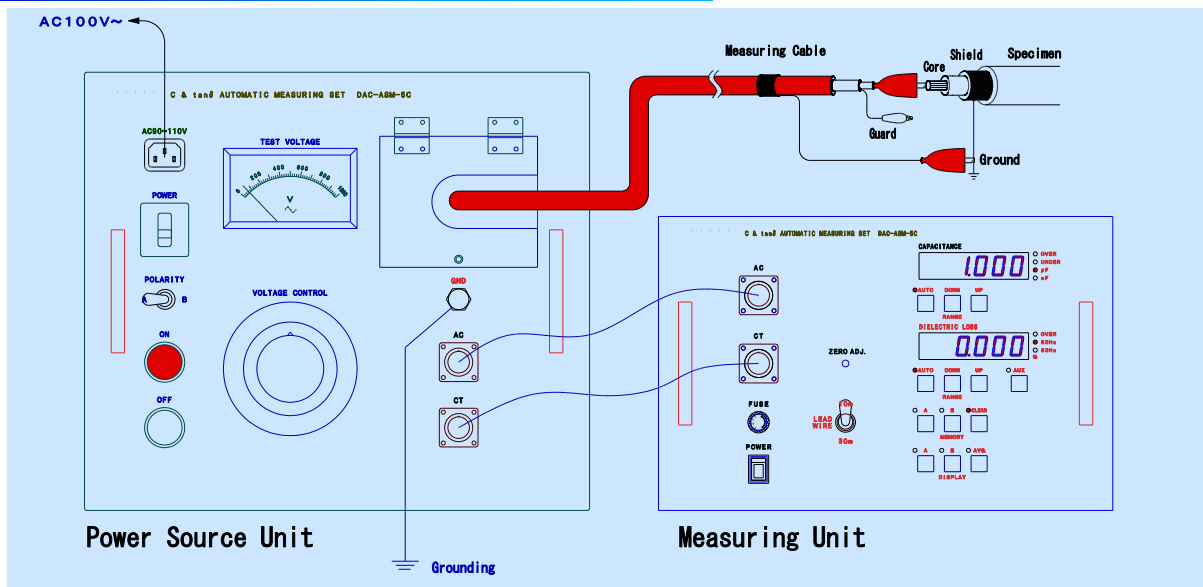
DAC-ASM-5C is designed for on-site measurements of capacitance and tanδ for High Voltage Cables and Electric Machines. Composed of a measuring unit and a testing source unit, DAC-ASM-5C is transferable from testing sites to sites. The source is built-in to supply testing voltages at AC200V – 1000V. The polarity can be changed to prevent it from being affected by induced voltages at testing sites.



### Features

- A standard capacitor and a high voltage current transformer are built-in the testing source unit.
- The testing source unit and the measuring unit are insulated by a high voltage current transformer for safe operations.
- Introducing auto-range function into a self-balancing circuit, high precision measurements with reproducibility are possible.
- The polarity of the testing source can be switched, and a mean value is given.
- A double shielded measuring cable (10M) is provided as standard, and 30M length is also selectable as option. A compensation circuit for the cable's losses is introduced.

### Connection Example for testing cables



# C & tan $\delta$ AUTOMATIC MEASURING SET

## Model DAC-ASM-5C

### Specifications

● <b>Test Voltage</b>	AC200 ~ 1000V, 50/60Hz
● <b>Measuring Range</b>	
Capacitance (5Range)	1nF - 15 $\mu$ F
tan $\delta$ (3Range)	-100% - 100%
Capacitance Range*	4nF Range : 1nF - 4nF 40nF Range : 4nF - 40nF 400nF Range: 40nF - 400nF 4 $\mu$ F Range : 400nF - 4 $\mu$ F 40 $\mu$ F Range : 4 $\mu$ F - 15 $\mu$ F
	*The ranges are subject to the capacity of the testing source.
tan $\delta$ Range	1% Range : -2% - 2% 10% Range : -20% - 20% 50% Range : -100% - 100%
● <b>Accuracy</b>	
Capacitance	$\pm$ 3% Rdg.(+2digit)
tan $\delta$	$\pm$ 0.02% (3%Rdg.+2digit)
● <b>Minimum Resolution</b>	
Capacitance	0.01nF
tan $\delta$	0.001% (1% Range)
● <b>Output Current</b>	Max 417mA
● <b>Power Supply</b>	AC100V $\pm$ 15%, 50/60Hz
● <b>Dimensions &amp; Weight</b>	
Measuring unit	W410 $\times$ H410 $\times$ D290mm (in an aluminum trunk, 15kg)
Power Source	W398 $\times$ H493 $\times$ D343mm (Without projections, 30kg)

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

\*The polarity of the testing source can be switched to prevent it from being affected by induced voltages. Measurement data is memorized and mean value is displayed.

### Composition

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



Specifications are subject to change for improvements without prior notice.

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