

- Capacitance & Dielectric Loss tan Measurement of High Voltage Equipment.
- Both Equipments Ungrounded and Grounded can be measured at max. 12kV.
- Fully automatic testing set incorporating current comparator, Insulating CT and reference Standard Capacitor.

### GENERAL

DAC-5031 is composed of C & tan measuring set, DAC-ASM-7, built-in insulating CT, standard capacitor and testing power supply in a transferable cabinet for the insulation diagnosis of high voltage equipments.

Applying an optional high testing source to specimen, capacitance, tan (%), or power factor (%) can be measured. Best applicable to measurements for high voltage motors and transformers in the field. Measured Data can be printed out with a built-in printer.



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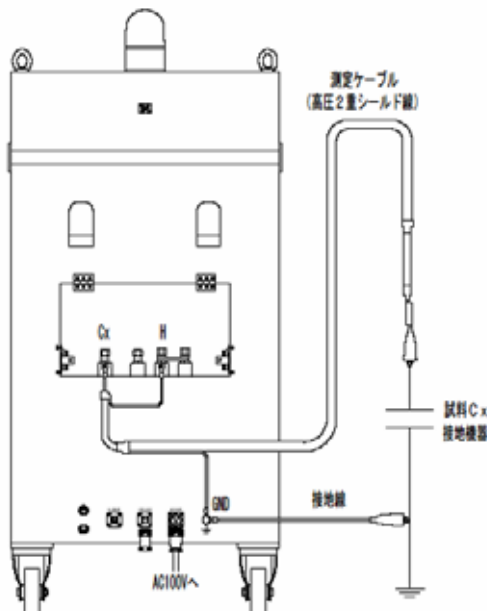
# SPECIFICATIONS

Testing Voltage	AC100V ~ 12kV continuous
Testing Power Capacity	1kVA
Testing Current	80mA
Testing Frequency	50 / 60Hz, source frequency
Measuring Range (Resolution)	
Capacitance	100pF ~ 10 $\mu$ F in GST mode 5 ranges, (0.1pF at 1000pF range) 100pF ~ 1 $\mu$ F in UST mode 4 ranges, (0.1pF at 1000pF range)
tan	0 ~ 100% 3 ranges (0.001% on UST, 0.01% on GST at 2% range)
Power Factor	0 ~ 70.7% 3 ranges (0.001% on UST, 0.01% on GST at 2% range)
Voltmeter	0 ~ 18kV 2 ranges (1V at 1800V range)
Ammeter	0 ~ 50A 6 ranges (0.001mA at 2mA range)
Accuracy (assured at testing voltage 500V or more)	
Capacitance	$\pm$ 1% Rdg + 2digits at 1000pF or more. $\pm$ 5% Rdg + 5 digits at 1000pF or less.
tan / Power Factor (%)	$\pm$ 0.01%(+3% Rdg + 2 digits) at 1000pF or more $\pm$ 0.03%(+5% Rdg + 2 digits) at 1000pF or less
Voltmeter	$\pm$ 3% (Mean Value)
Ammeter	$\pm$ 3% (Mean Value)

Outlet for Alarm Lamp	Source Voltage
Power Source	Specified by customer, 50 / 60Hz
Assuring Temperature Range	15 ~ 35
Operating Temperature Range	0 ~ 40
Humidity Range	20 ~ 85%RH (no dew)
Size and Weight	
W x D x H	570 x 630 x 1300 (mm) without projections Approx. 120kg
Weight	
Alarm Buzzer	
Volume	The volume can be switched in the 2 ranges. Max. 90dB or more - 20dB of the max.
Sound	Blows flickerly. (Be optionally silenced or always operate.)
Built-in Printer	As standard
Built-in CT	
Max Rated Voltage	12kV
Rated Capacitance	1000pF $\pm$ 10%
tan	0.05% or less
Testing Temperature	0 ~ 40
Testing Humidity	20 ~ 85% (no dew)
Testing Current Ammeter	Analog
Accessories	
Measuring Cable	1pc
Measuring Cable (UST)	1pc
Grounding Cable	1pc
AC Cord	1pc
Alarm Lamp	1pc

# MEASURING DIAGRAM

For GST Measurement



FOR UST Measurement

