

# ELECTRONIC BURDEN FOR VOLTAGE TRANSFORMER

## DAC-PBV-8



### Features

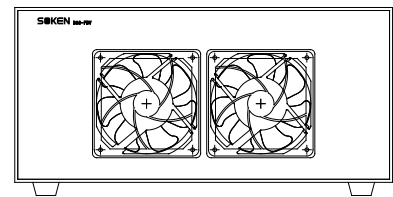
- Programmable burden used for voltage error testing in accordance with IEC60044-2.
- Testing voltage can be varied over a wide range: 2 % to 190% of the rated secondary voltage.
- Burdens from 0 to 50VA are available standalone, and maximum of 400VA in steps of 100VA is available with optional electronic burdens.
- USB Interface is a standard fixture.
- Test conditions can be easily configured: the maximum of 100 test parameters (rating, burden, power factor and lead wire compensation) are programmable.

### Specifications

Rated Secondary voltage	: 100, 110, 115, 120, 200, 230V and each x $1/\sqrt{3}$ , and 100/3, 110/3, 200/3V <i>(Please feel free to ask us for the other specifications.)</i>
Test voltage range	: 2% to 190% of the rated secondary voltage (Max current of 12A)
Rated burden setting	: 0.00 to 50.0 VA Maximum of 400VA* with optional Electric burden *Except rated secondary voltages : 200, 230, $200/\sqrt{3}$ and $230/\sqrt{3}$
Burden Power factor	: Delay: 0.20 to 1 [Rated burden: 0 – 35 VA] : Delay: 0.5 to 1 [Rated burden: 35 – 75 VA] : Delay: 0.8 [Rated burden: 75 – 400 VA] with option burden
Test Frequency	: 50/60 Hz
Settable resolution	: Rated burden setting 0 – 4 VA: 0.001 VA steps 4 – 20 VA: 0.01 VA steps 20 – 75 VA: 0.1 VA steps With optional burden 75 – 99.9 VA: 0.1 VA steps 100 – 400 VA: 1 VA steps
Burden Power Factor	: 0.01 steps
Accuracy (target value)	: Burden and Burden Power Factor: $\pm 4\%$
Communication	: USB (2.0/1.1)
Other Functions	: Test condition programming, over current protection, Alarm function for measuring circuit
Rated Supply Voltage	: 100 to 240V $\pm 10\%$
Dimensions	: W430 x H250 x D380mm (Excluding potions)

## Option Electric Burden

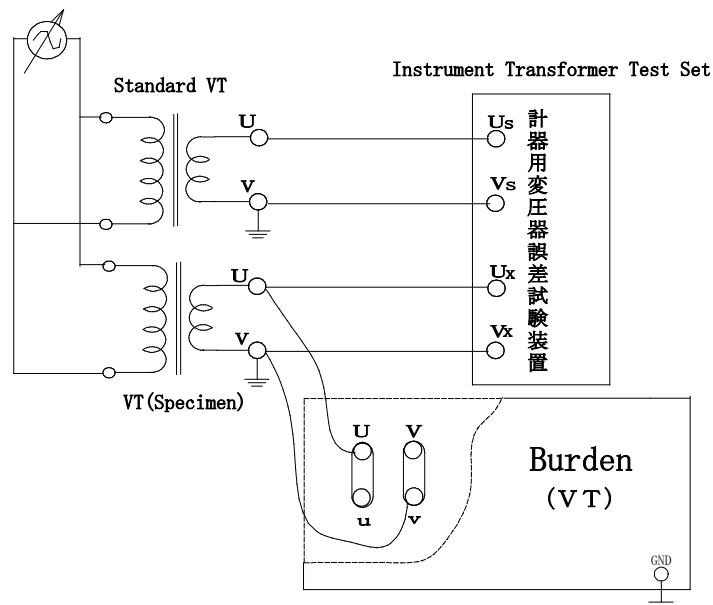
Optional burden DAC-FBV series are available in need of further VA. The burdens are controlled by DAC-PBV-8 through serial communication.



DAC-FBV series

DAC-FBV series: 50VA, 100VA and 200VA type. When combining all units, max 400VA is available.

## Connecting diagram



## Product Line-Up

### Electronic Burden for Instrument Transformer Model DAC-PBVC-8

DAC-PBVC-8 has been developed for error testing of Instrument Transformers (VT and CT). A ten-key pad is provided to facilitate the setting of parameters, such as burden, power factor, etc.

Rated secondary: VT mode:  $110/\sqrt{3}$  V and 110V  
CT mode: 1A and 5A

Measurement voltage: VT mode: 2 to 120% of the rating  
CT mode: 1 to 120% of the rating

Burden Power factor: 0.20 (lag) – 1 – 0.80 (lead)\*

\*Setting burden at lead conditions must be 25VA or less.

Burden VA : 0.000 to 100.0VA



(Refer to catalog for DAC-PBVC-8 for more details.)

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