

ELECTRONIC BURDEN FOR CURRENT TRANSFORMER

DAC-PBC-8



When conducting instrument transformer testing, it is necessary to test with the same impedance (burden) as the impedance connected to the secondary of the transformer in the actual usage environment.

Model DAC-PBC-8 is an electronic burden unit designed for testing instrument current transformer.

By simply inputting values for a burden VA and a burden power factor with the numeric keys, a specific burden setting will be completed.

A wide range of testing current up to 200% of the rating is provided, and it is possible to test with an actual load of 200VA (at 200% of rating).

Features

- Programmable electric burden for CT in accordance with IEC 61869-2 (IEC 60044-1).
- Desired burden and power factor can be set simply by entering values with the numeric keys.
- Wide range from 1 % to 200% of the rated secondary current.
- Rated burden can be extended to 200VA with optional burden units.
- Max 100 test conditions can be registered in memory for easy operation.
- Internal test set resistance and cable resistances are compensated by 4-terminal measurement connection.
- USB and GP-IB Interface are provided.

Specifications

Rated Secondary Current	1A and 5A
Test Current range	1% to 200% of the rated secondary current
Rated burden setting	0.0 to 50.0 VA 1.0 Maximum of 200VA* with optional Electric burden *1% to 200% of the rated secondary current
Burden Power factor	Delay 0.5 to 1
Lead wire compensation	0.000 to 0.200 Ω
Test Frequency	50/60 Hz
Burden setting resolution	Rated burden setting 0 to 4 VA : 0.001 VA steps 4.01 to 20 VA : 0.01 VA steps 20.1 to 100 VA : 0.1 VA steps

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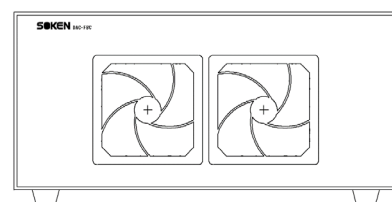
Burden Power Factor	0.01 steps
Accuracy (target value)	Burden and Burden Power Factor: $\pm 4\%$
Interface	GP-IB (IEEE-488)/ USB 2.0/1.1
Other Functions	Test condition programming Over current protection Alarm function for measuring circuit Lead wire resistance compensation
Rated Supply Voltage	100 to 240V $\pm 10\%$
Dimensions and weight	W430 x H200 x D450mm (Excluding projections), about 30kg

Option Electric Burden

Optional burden DAC-FBC series are available in need of further VA.

Combining DAC-PBC-8 with all FBC series, max 200VA* is available.

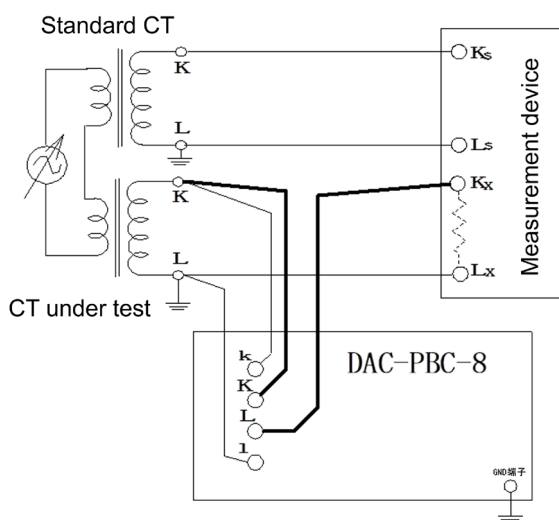
*(when 200% at rated secondary current 1A)



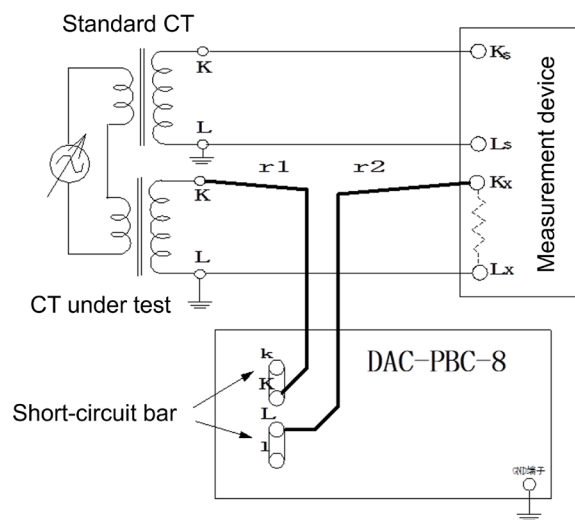
DAC-FBC series
(W430xH200xD450mm)

Connecting diagrams

4-terminal connection method



2-terminal connection method



Specifications are subject to be changed without prior notice.

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