

## Burden Box : Models BX series & BB series



When testing instrument transformer, important is that the instrument transformer under test must take the specified burden for obtaining correct test results. But adjustment of resistance as burden is not easy, especially adjustment of burden with the specified power factor.

Models BB series & BX series are well designed to meet requirements on instrument transformer tests, and the specified values of burdens can be obtained only by inserting the plugs or operating the change-over switches.

### Rating of Burden Box for current transformer

Model	Rated 2 ry. Current*	Burden	Power factor	Dimension (mm)	Weight (kg)
<b>BX-C401A</b>	5 A	0.5–49.5 VA with 0.5 VA step	1	260×180×228(H)	7
<b>BX-C401B</b>	1 A				
<b>BX-C1008A</b>	5 A	2.5, 3.75, 5, 6.25 VA and 7.5–105 VA with 2.5 VA step	0.8	380×290×282(H)	17
<b>BX-C1008B</b>	1 A				
<b>BB-C408A</b>	5 A	2.5, 3.75, 5, 6.25, 10, 15, 25, 40 VA	0.8	320×240×232(H)	10
<b>BB-C408B</b>	1 A				
<b>BB-C1008A</b>	5 A	2.5, 3.75, 5, 6.25, 10, 15, 25, 40 100 VA	0.8	380×290×297(H)	17
<b>BB-C1008B</b>	1 A				
<b>BX-C13D</b>	5 A	0.02, 0.04, 0.1, 0.2, 0.3, 0.4, 1.0Ω in resistance. 0.02–5.12 mH in inductance.	—	400×320×310(H)	23

\* Rated current covers the range from 5–120%.

### Rating of Burden Box for potential transformer

Model	Rated 2 ry. Voltage*	Burden	Power factor	Dimension (mm)	Weight (kg)
<b>BX-P401A</b>	110 V	0–41.75 VA with 0.25 VA step	1	260×180×226(H)	10
<b>BX-P401B</b>	150 V				
<b>BX-P1008A</b>	110 V	0–108.75 VA with 1.25 VA step	0.8	400×290×235(H)	16
<b>BX-P1008B</b>	110 V/√3				
<b>BX-P1002A</b>	110 V	0–108.75 VA with 1.25 VA step	0.2		
<b>BX-P1002B</b>	110 V/√3				
<b>BB-P1002A</b>	110 V	3.75, 6.25, 12.5, 15, 25, 50, 100 VA with selection of plug	0.2		
<b>BB-P1002B</b>	110 V/√3				

\* Rated voltage covers the range from 20 to 120%, but 50–150% for BX-P401B.

### Common specifications for Burden Box

Allowable error	±2% for burden and power factor at the rated current & voltage and power factor 1, 0.8, but ±5% for power factor at power factor 0.2
Frequency	50/60 Hz
Temperature	–10°–+50°C

If the test certificate by authorized test organization is necessary, models BX series and models BB series will be supplied with it by request at surcharge.