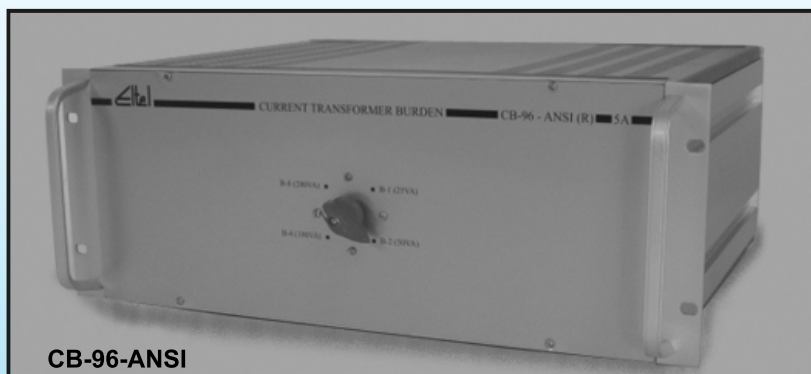


# ANSI Relaying Current Transformer Burden



**Description :** The ANSI Current Transformer Burden Model CB-96-ANSI is designed for loading the Relaying Current Transformers during accuracy tests. The ANSI Relaying Burden is designed as per ANSI Standard

C57.13. It can be used along with the Eltel Automatic Instrument Transformer Test Set AITTS-98 to test Relaying CTs for Accuracy tests as per ANSI Standards. The AITTS-98 Test Set directly displays the Ratio Correction Factor(RCF) while testing CTs.

The individual Burden elements are designated with a specific VA value and Impedance (  $\Omega$  ) as per ANSI standards . These elements are all designed at 0.5 PF, 60 Hz Frequency . Each individual Burden element can be connected in the circuit of the Current Transformer by selecting the individual switches. The Burdens are rated for continuous operation and for a short time rating at 200% of rated current .

ANSI Standard only recognizes a 60 Hz Frequency and a 5A secondary current . These standard burden designations have no significance at frequencies other than 60 Hz.

Burdens	Burdens designation*	Resistance ( $\Omega$ )	Inductance (mH)	Impedance ( $\Omega$ )	Voltamperes (at 5 A)	Power factor
<b>Relaying burdens</b>	B-1	0.50	2.300	1.0	25.0	0.5
	B-2	1.00	4.600	2.0	50.0	0.5
	B-4	2.00	9.200	4.0	100.0	0.5
	B-8	4.00	18.400	8.0	200.0	0.5

## Specifications :

Secondary Current	: 5A
Frequency	: 60 Hz
Accuracy	: $\pm 3\%$ VA and $\pm 2$ Electrical degrees for PF for 5% to 120% of rated current.
Dimensions	: 483mm x 365mm x 134mm ( L x B x H )
Weight	: Approx 23 Kgs.
Operating Temperature	: -10 to 50 Deg C ; Ambient to 90% RH

**Note :** ANSI Relaying Current Burden can also be provided on specific request for 1A Sec for 60 Hz. ANSI Metering Current Burdens are also available for 5A , 60 Hz & on specific request also for 1A, 60 Hz.



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(SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE)