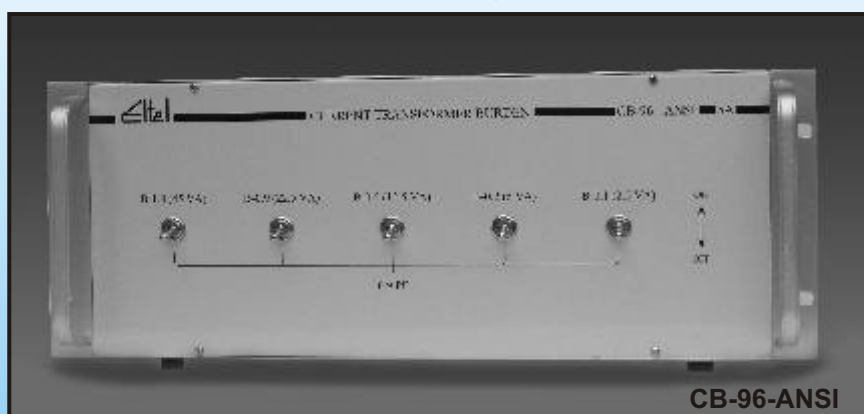


ANSI Metering Current Transformer Burden



Description : The ANSI Current Transformer Burden Model CB-96-ANSI is designed for loading the Current Transformers during accuracy tests .The ANSI Burden is designed as per ANSI Standard C57.13. It can be used alongwith the Eltel Automatic Instrument Transformer Test Set AITTS-98 to test CTs 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 () as per ANSI standards . These elements are all designed at 0.9 PF, 60 Hz Frequency . Each individual Burden element can be connected in the circuit of the Current Transformer by selecting the individual switches. Different combinations of VAs (Volt-Amps) are possible by adding individual Burden elements i.e. by selecting more than one switch at a time. 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 ()	Inductance (mH)	Impedance ()	Voltamperes (at 5 A)	Power factor
Metering burdens	B-0.1	0.09	0.116	0.1	2.5	0.9
	B-0.2	0.18	0.232	0.2	5.0	0.9
	B-0.5	0.45	0.580	0.5	12.5	0.9
	B-0.9	0.81	1.040	0.9	22.5	0.9
	B-1.8	1.62	2.080	1.8	45.0	0.9

Specification :

Secondary Current : 5A
 Frequency : 60 Hz
 Accuracy : $\pm 3\%$ VA and ± 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 Metering Current Burden can also be provided on specific request for 1A Sec for 60 Hz. ANSI Relaying Current Burdens are also available for both 5A and 1A, 60 Hz .



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(SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE)