

# ANSI Metering Burden



**CB-2021-ANSI**

## DESCRIPTION

The ANSI Current Transformer Burden Model CB-2021-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 Etel Automatic Instrument Transformer Test Sets to test CTs as per ANSI Standards. The Test Sets 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 0.9 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 & 1A secondary current. These standard burden designations have no significance at frequencies other than 60 Hz.

Power factor	Total Power (VA at 1 A)	Total Power (VA at 5 A)	Impedance ( $\Omega$ )	Inductance (mH)	Resistance ( $\Omega$ )	Burden designation
1.0	0.04	1.0	0.04	0	0.04	E0.04
	0.2	5.0	0.2	0	0.2	E0.2
0.9	0.1	2.5	0.1	0.116	0.09	B-0.1
	0.2	5.0	0.2	0.232	0.18	B-0.2
	0.5	12.5	0.5	0.580	0.45	B-0.5
	0.9	22.5	0.9	1.040	0.81	B-0.9
	1.8	45.0	1.8	2.080	1.62	B-1.8

## SPECIFICATIONS

Secondary Current : 5A  
 Frequency : 60 Hz  
 Accuracy : +5% to 0% of Impedance and  $\pm 2$  Electrical degrees for PF for 5% to 120% of rated current  
 Dimensions : 483mm x 365mm x 134mm (LxBxH)  
 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.**



## ELTEL INDUSTRIES

311 Embassy Centre, Crescent Road, Bengaluru 560 001, India

TEL: +91-80-22255467, 22205686, 22284298, +91-96866 69392  
 email: marketing@eltelindustries.com

[www.eltelindustries.com](http://www.eltelindustries.com)

Manufacturing Facility: Plot No. 39, KIADB Industrial Area, Veerapura, Doddaballapur, Bengaluru – 561 203, INDIA.  
 TEL: +91-96866 93047, +91-96866 93048

- GURGAON: 0124-2460619, 099903 88454 ■ HYDERABAD: 08008070840 ■ MUMBAI: 022-21713579
- KOLKATA: 033-24765536, 09830067236, 09331094257 ■ VADODARA: 08155987799

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(Specifications subject to change without notice)