

ANSI Relaying Burden



CB-2021-ANSI

DESCRIPTION

The ANSI Current Transformer Burden Model CB-2021-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 Sets to test Relaying CTs for Accuracy tests 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 (Ω) 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.

Terminal Voltage	Power Factor	Total Power (VA at 5 A)	Impedance (Ω)	Inductance (mH)	Resistance (Ω)	Burden designation
10	0.9	2.5	0.1	0.116	0.09	B-0.1
20	0.9	5.0	0.2	0.232	0.18	B-0.2
50	0.9	12.5	0.5	0.580	0.45	B-0.5
100	0.5	25.0	1.0	2.300	0.50	B-1.0
200	0.5	50.0	2.0	4.600	1.00	B-2.0
400	0.5	100.0	4.0	9.200	2.00	B-4.0
800	0.5	200.0	8.0	18.400	4.00	B-8.0

SPECIFICATIONS

Secondary Current : 5A
Frequency : 60 Hz
Accuracy : +5% to 0% of Impedance and ± 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 Relaying Current Burden can also be provided on specific request for 1A Sec for 60 Hz.

ANSI Metering Current Burdens are also available.



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Eltel Industries – Calibration Laboratory (including on-site calibrations) is NABL - ACCREDITED in electro-technical discipline in accordance to ISO/ IEC:17025/2005.

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(Specifications subject to change without notice)