

Electronic Compensated Standard Voltage Burden

ESVB 200



General

The programmable electronic compensated standard voltage burden ESVB can be used in transformer test laboratories for manual, semiautomatic and automatic tests of voltage transformers.

The ESVB is characterised particularly by the user-friendly menu guidance by means of inserted function keys as well as the 10,4" TFT-mono chrome display.

Features

- For the ESVB no external burden adjustment is required.
- The menu-guided control of the ESVB can be accomplished either by using an external PC or by using the built-in soft-key terminal.
- The ESVB can be calibrated in the range of its specifications (e.g. IEC or ANSI) for every transformer.
- Definitions of any new standards are possible.

Technical Data

Voltage burden	ESVB 200
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General	
Power supply	230 VAC -15 % ...+10 %, 47 Hz ... 63 Hz
Power consumption	approx. 30 VA
Dimensions (HxBxT)	310 x 483 x 580 mm
Weight	approx. 53 kg
Load Range max.	200 % U _N
Technical Specifications	
Test voltage U _N	100 V, 110 V, 115 V, 120 V, 190 V, 200 V 100/3 V, 110/3 V, 115/3 V, 120/3 V, 190/3 V, 200/3 V 100/√3 V, 110/√3 V, 115/√3 V, 120/√3 V, 190/√3 V, 200/√3 V
Burden Steps	0,01 VA and cos β 0.01 The burden steps can be selected in steps of 0.01 VA in the range of 0 ... 200 VA cos β = 0.1 ... 1 inductive till cos β = 1 10 VA ... 25 VA cos β = 0.2 ... 1 inductive till cos β = 1 5 VA ... 120 VA cos β = 0.5 ... 1 inductive till cos β = 1 2.5 VA ... 200 VA cos β = 0.7 ... 0.85 induc. till cos β = 1 1 VA ... 200 VA
max. load range	200 % U _N
Accuracy within the load range ¹	(ΔR / Z) or (ΔX / Z) ≤ ± 3 %
Test frequency	50 Hz / 60 Hz
Interface	1 RS232

Subject to alterations!

¹ related to Z