

Step transformer

VIS 740

Voltage drop acc.
IEC / EN 61000-4-11



Introduction:

With the combination voltage interruption simulator VIS 1700 / VIS 700 and the step transformer VIS 740 voltage drop tests according the standard are possible – see chapter 5.1 of the standard. The step transformer fulfilled the standard requirement regarding the high stability of the voltage. Other variable transformers or variacs are not useful usually. The switching of the voltages to 80%, 70%, 40% or 0% is performed by the position of the jumpers on the front panel.

Technical Data

Input voltage:	230 Volt, 50 Hz
Input current:	16 A
Output voltage:	4 steps: 0 %, 40 %, 70 %, 80 %
Output current:	16 A continuous 40 A until 5 second at 40 % 23 A until 5 second at 70 % 20 A until 5 second at 80 %

Voltage changing under load with VIS 1700:	< 5 % at 40 % from 0 A until 40 A < 5 % at 70 % from 0 A until 23 A < 5 % at 80 % from 0 A until 20 A The percentage (%) information refers to the reference voltage of 230 Volt. The voltage drop in the generator VIS 1700 is taken into the account.
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Dimension:	255 x 355 x 310 mm (B x D x H)
Weight:	27,0 kg

Start-up:

1. The special connector from the VIS 740 must connect to the voltage interruption simulator VIS 1700 - on his back side to connector [37] – see manual page 8.
2. Selection of the voltage drops in percent – 80%, 70%, 40% or 0%. The plug-in bridge of the VIS 740 is setting from factory-side to 80% - see picture above. Other voltage drop levels are selectable by reposition the plug-in bridge.
At the function “voltage drop” (chapter 5.5, page 10) the generator (VIS 1700) switched between the rated voltage (100%) to the second voltage (e.g. 80%) – see also user manual VIS 1700.