

VTM 15000

Impulse Transformer for isolation testing

IEC 60060-1, IEC 60335-1, IEC 61010-1
IEC 61180-1, IEC 61008-1, IEC 61009-1

- 1.2/50 μ s voltage impulse
- Output amplitude up to 14 kV (AXOS 8)
- Output amplitude up to 10 kV (AXOS 5)
- Output amplitude up to 15 kV (PSURGE 8000 & PIM 100)
- Source impedance 12 Ω , 40 Ω and 500 Ω



 **HAEFELY**

**For AXOS 5 and AXOS 8
devices from Haeфely.**



Overview

The VTM 15000 is used for isolation testing with 1.2/50 μ s voltage impulses. It is used for tests according to IEC 60060-1, IEC 60335-1, etc. impulses. The VTM 15000 operates together with a combination wave generator such as the AXOS Series System or PSURGE 8000 & PIM 100.

The output voltage of the generator is doubled; the voltage wave shape remains the same. The current wave shape is not defined any more. The lightning impulse is the most common impulse shape for testing isolations. No flash over should occur during testing.

It is important to keep the load capacitance below the given maximum for having a proper impulse shape at the output of the VTM 15000. When the maximum load capacitance is exceeded one or more impulse parameters may be out of tolerance. The PSURGE 8000 Surge Platform and AXOS Surge Test System provide all the programming functions required to perform IEC, ANSI, and UL testing without the need of a control computer.

Key facts

- Separate Outputs – for each source impedance.
- Floating Output



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Technical data

VTM 15000

Turn ratio	1:2
Impulse shape	1.2 / 50 μ s voltage impulse
Output impedance	12 Ω load capacity < 200 pF, load resistance > 5 k Ω 40 Ω load capacity < 300 pF, load resistance > 5 k Ω 500 Ω load capacity < 600 pF, load resistance > 50 k Ω

Output voltage	15 kV PSURGE 8000 & PIM 100 14 kV AXOS 8 10 kV AXOS 5
Impulse output	HIGH HAEFELY sockets safety banana sockets COMMON terminal with 4 mm banana sockets earth protection
Dimensions	19" 3 HE, Depth 570 mm
Weight	15 kg

Options

No. 2490400	AXOS 5	Compact
No. 2490800	AXOS 8	Compact

Scope of delivery

VTM 15000 Impulse transformer

HV input cable HV cable for HIGH output HV cable for COMMON output

Cable for protection earth

User manual

All information regarding appearance and technical data correspond to the current state of development at the time of release of this data sheet. We reserve the right to make technical changes. 052310

