

VTM 15000/05

Impulse Transformer For Isolation Testing

■ The VTM 15000/05 is used for isolation testing with 1.2/50 μ s voltage impulses

The VTM 15000/05 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 15000/05. 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.



FEATURES

- 1.2/50 μ s voltage impulse
- Output amplitude up to 15kV (PSURGE 8000 & PIM 100)
- Output amplitude up to 14kV (AXOS 8)
- Output amplitude up to 10kV (AXOS 5)
- Source impedance 500 Ω
- Energy Output 0.5J

BENEFITS

- **Used with any Haefely Hipotronics Combination Wave generator with 2 Ω impedance**
- **Floating output available**

APPLICATIONS

- IEC 60060-1
- IEC 60335-1
- IEC 61010-1
- IEC 61180-1
- IEC 62052
- IEC 60255-5
- IEC 60255-27

TECHNICAL SPECIFICATIONS

Turns Ratio	1:2	
Impulse Shape	1.2/50 μ s	Voltage Impulse
Output Impedances	500 Ω	Load capacity <600pF, Load resistance > 50k Ω
Output Voltage	15kV	PSURGE 8000 & PIM 100
	14kV	AXOS 8
	10kV	AXOS 5
Impulse Output	HIGH	HAEFELY HV sockets safety banana socket
	COMMON	terminal with 4mm banana socket
	Earth Protection	

SCOPE OF SUPPLY

Qty. 1	VTM 15000/05 Impulse
Qty. 1	Transformer HV input cable
Qty. 1	HV cable for HIGH output
Qty. 1	HV cable for COMMON output
Qty. 1	Cable for protection earth
Qty. 1	User manual

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HAEFELY HIPOTRONICS has a policy of continuous product improvement. Therefore we reserve the right to change design and specification without notice.