

VTM 15000/05

Impulse Transformer for Isolation Testing

Datasheet



HAEFELY

Current and voltage – our passion

General Description

The VTM 15000/05 is a voltage transformer which multiplies the input voltage by two, the voltage wave shape remains the same. The VTM 15000/05 is used for insulation tests with a 1.2/50us impulse such as

specified in IEC 62052, IEC 60255-5 and other IEC/EN standards. This unit can be used with any Haefely combination wave generator with 2 Ω source impedance.

Features

- Outputs 0.5/0.8/1.5/2.5/4/6/8/12 kV
- Output voltage open circuit max. 15kV impulse shape 1.2/50us
- Front time 1.2us +/-30%
- Time to half-value 50us +/-20%
- Energy 0.5 Joule +/-10%
- Output impedance 500Ω +/-10%
- Common Output Normally connected to ground, can be floating up to 440VAC
- Load capacity lesser than 600pF, Load resistance greater than 50Ω

Applications

- IEC 60060-1
- IEC 60335-1
- IEC 61010-1
- IEC 61180-1
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Scope of Supply

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

Technical Data

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

Global Presence

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HIGH VOLTAGE



INSTRUMENTS



EMC

precision.
swiss made.