

TOV High (Medium or Low) Voltage Transient

TOV 380H/TOV 230L

Datasheet



In Compliance with

- > IEC 61643-1: 2005
- > GB/T 16927-2011
- > GB18802.1

Introduction

These equipments are used for Surge Protection Device (SPD) to perform the transient over voltage test caused by high or medium voltage system failure, also can be used for science research, as per IEC 61643-1 : 2005, GB/T 16927-2011, GB18802.1, etc.

Features

- > Safety protection: red and green light display
- > Set TOV supply parameters by PC software and test automatically
- > Alarm function with emergency stop switch and safety shield and door switch
- > Display real-time voltage and current in PC interface
- > Compatible for SPD action load and follow current
- > Automatically draw voltage and current waveform, save as BMP format, and easy to edit the test report
- > Automatically record test time, test current and voltage, etc
- > Compatible for supplementary test about SPD simulation failure mode in IEC61643-1:2011

Application Areas

- > Communication
- > Telecom
- > Medical
- > Radio and TV
- > Railway
- > Information technology
- > Military
- > Aviation
- > New energy power

TOV test Parameters		
Model	TOV 380H	TOV 230L
Ucs	AC 240 V	AC 240 V
Ut	AC 1200 V	1.32 times of Ucs, 1.55times of Ucs
Ut current	300 A 200 ms	300 A 5 s
Phase superposition	0~360°	--
Test supply	Three phase, AC 380 V 200 kVA	
Main switch	Silicon controlled	
Test box	National standard size with SPD installation rail	
Material of test box	Epoxy+ Organic glass sheet	
Measurement system	PC remote control, current, voltage	

General Parameters	
Working power supply	Three phase, AC 380 V ± 10%, 50/60 Hz
Environment temperature	15~35 °C
Relative humidity	45%~75%
Grounding resistance	Less than 0.5 Ω
Dimensions	1800x800x1800 mm
Weight	Approx.700 kg
Waveform distortion rate <5% if without conductive dust, without fire, without explosion danger, without corroding metal and insulation gas for sine power supply waveform	



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