

Power Induction and Mains Power Contact Generator **YD-993G**



- YD-T993
- ITU-T K21
- ITU-T K44

Features

- > LCD display with built-in computer control and HMI for easy operation
- > High-power resistors for stable output current
- > Selectable current-limiting resistors
- > Adjustable injection duration
- > Two built-in test modes: power induction and main power contact tests
- > Built-in coupling/decoupling network integrated with dual-port expandable output
- > RS-232 interface for remote control and automatic test data storage

Introduction

The YD-993G Power Induction and Mains Power Contact Generator is designed to simulate inductive interference generated by power lines and electrified railway systems on telecommunication lines, as well as interference caused by direct contact between power lines and telecommunication lines.

The YD-993G provides a standardized test basis for lightning protection and immunity testing of telecommunication terminal equipment. The equipment complies with the requirements of YD/T 993-2006, ITU-T K.21, and ITU-T K.44.

Application Areas



**Technical
Parameters**

Voltage Range	0.2 ~ 1.5 kV
Injection Duration	0.1 s ~ 30 min
Counter	1 ~ 999
Test Interval	1 ~ 99 s
Test Mode	Power induction and main power contact tests
Power Induction Impedance	200 Ω /600 Ω ; output energy > 10 A ² s
Mains Power Contact Impedance	10 $\Omega \pm 10\%$, 20 $\Omega \pm 10\%$, 40 $\Omega \pm 10\%$, 80 $\Omega \pm 10\%$, 160 $\Omega \pm 10\%$, 300 $\Omega \pm 10\%$, 600 $\Omega \pm 10\%$, 1,000 $\Omega \pm 10\%$
Trigger Mode	Auto, manual
Network Capacity	Single-phase three-wire, AC 220 V, 16 A
Working Power	AC 110 V/220 V ($\pm 10\%$), 50/60 Hz $\pm 5\%$
Dimension	19-inch/22 U rack, 600*800*1,250 mm /35 U rack 600*800*1,820 mm

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