

Dielectric Withstand Voltage Test

Introduction

Dielectric withstand voltage

Dielectric withstand voltage is also known as dielectric strength test, it is a pilot project to assess safety performance and to prove the rationality of design, material selection and manufacturing technology. We can judge insulation material or insulation gap appropriate or not applying a predetermined voltage within the specified time by observing product safety work and withstand potential surge or not caused by switching and other similar phenomena. Insulator inevitably produce disruptive discharge or damage when applied test voltage if deficiencies existed. Disruptive discharge express as flashover (surface discharge), sparkover (air discharge) or breakdown (puncture discharge).

Test System

Achieve DC/AC test at large voltage with insulation tester.

Device Name	Equipment Type	Voltage Range
Insulation tester	CH 333	AC (0 to 5000 V), DC (0 to 6000 V)