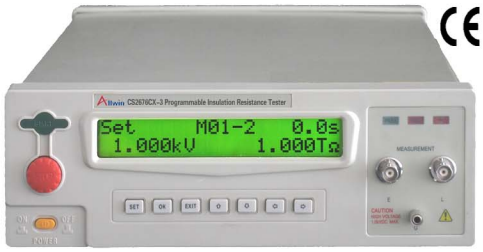


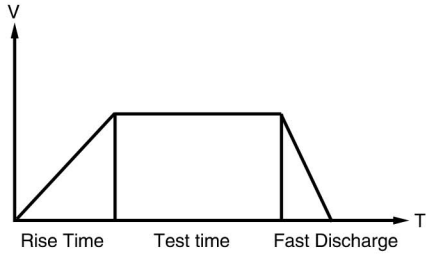
CS2676CX Series Programmable Digital Ultra High Resistance Tester

Serial products：CS2676CX–3、CS2676CX–4

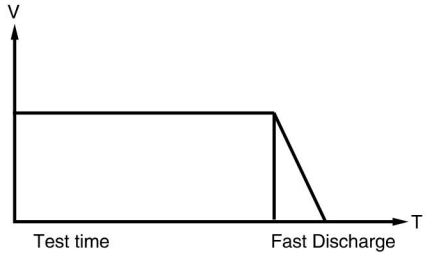
Dimensions：285mm × 95mm × 410mm

Weight(Approx.)： 6.5kg

◆ Test With Votage Rise Time



◆ Test Without Votage Rise Time



CS2676C Series Programmable Insulation Resistance Tester

Serial products：CS2676C、CS2676C–1、CS2676C–2

Dimensions：285mm × 95mm × 410mm

Weight(Approx.)： 5.7kg

Product introduction

◆ CS2676CX series digital ultra high resistance tester integrated abundant performances of high precision, high resolution and so on, which simplified perfectly the measurement of high resistance and resistivityof insulating materials, CS2676CX offers a number of features and capabilities that ensure accuracy of high resistance measurement applications. For example, the built–in voltage source simplifies determining the relationship between an insulator ' s resistivity and the level of source voltage used. It suits perfectly for parameters measurement of capacitor leakage, insulation resistance, surface insulation resistance of PCB, voltage coefficient of resistors, and leakage parameters of transistor.

Target client

◆ Power system, Chemical system, Petroleum system, Aerospace system, Building system, Household electrical appliances, etc

Application area

◆ Capacitor leakage, insulation resistance, surface insulation resistance of PCB, voltage coefficient of resistors, and leakage parameters of transistor, Teaching and Research

◆ Polarization index and dielectric absorption ratio can be used in water content test of insulation material, power transformer and cable

◆ $1T\Omega = 1 \times 10^{12}\Omega$

Product performance

◆ Optional display of test time, voltage, current, or resistance

◆ 20 memory groups, 6 test steps per group;Upp–limit and Low–limit resistance, alarming value of out of limits, voltage rising time, testing time and interval time in every step can be set respectively

◆ Auto realization of DAR and PI test

◆ Auto range and manual range

◆ Maximum measured resistance up to 10T

◆ 1V can measure 1GΩ,10GΩ, lowest–level measured current up to 0.1nA

◆ Automatic output cutoff and DUT rapid discharge after test, which makes the voltage applied to the DUT fall below safe voltage when user changed DUT, thus which can protect users from electric shock induced by residual charge of DUT

◆ Standard PLC interface, optional ports: RS232/RS485

Basic technical index

◆ Test voltage: Range
I.1.0V–100.0V Resolution: 0.1V Accuracy: ± (2%+5 counts);
II.100V–1000V Resolution: 1V Accuracy: ± (2%+5 counts)

◆ Resistance range: 100.0kΩ ~1TΩ,10TΩ.

◆ Test time: 0~999.9s

◆ Basic accuracy: ± 5% (Test voltage: 100V–1000V; Resistance range:100kΩ~100GΩ, Basic accuracy)

◆ Test speed: maximum can be up to 3 times per second

Specifications

Model	Voltage Range	IR Range	Test Time	Accuracy
CS2676C	(100 ~ 1000)V ±2%	(1 ~ 10000)MΩ	999.9s	±5%
CS2676C–1	(50 ~ 1000)V ±2%	(1 ~ 50000)MΩ	999.9s	±5%
CS2676C–2	(20 ~ 1000)V ±2%	1MΩ ~ 100GΩ	999.9s	±5%
CS2676CX–3	(1 ~ 1000)V ±2%	100kΩ ~ 1TΩ	999.9s	±5%
CS2676CX–4	(1 ~ 1000)V ±2%	100kΩ ~ 10TΩ	999.9s	±5%

Comply with IEC60335–1, GB4706.1–2005, GB4943 standard requirements