

RDS51052 AC DC Withstand Voltage Tester

RDS51052 AC/DC withstand voltage tester is a universal AC/DC high-voltage withstand voltage tester with an output voltage of 0-5 (kV). It is widely used for withstand voltage testing of electrical equipment, gluewood appliances, piezoelectric ceramics, various household appliances, and instruments. It can intuitively, accurately, and quickly test the electrical safety performance indicators such as breakdown voltage and leakage current of various tested objects. It provides testing methods for the implementation of safety standards, thus demonstrating its importance and becoming an essential instrument and equipment for scientific research institutions, metrology and testing departments, and the electronics industry to test electronics, appliances, and other aspects.



Product Features

1. The instrument has a beautiful appearance and is easy to operate.
2. The output voltage of the instrument is displayed on a digital panel meter, which is clear, intuitive, and accurate.
3. The instrument has high accuracy and good reliability.
4. The overall layout is reasonable and easy to maintain.



Product specifications and technical parameters

1. Measuring speed: 1 min- 2 min for single-phase winding
2. Output voltage: V_{pp} -25V, adjusting automatically in test
3. Output impedance: 50Ω
4. Input impedance: $1M\Omega$ (the response channel is built with 50Ω matching resistance)
5. Frequency sweep scope: 10Hz-2MHz
6. Frequency accuracy: 0.001%
7. Frequency sweep manner: linear or logarithmic, frequency sweep interval and number of sweep points are freely settable

8. Curve display: Mag-freq. curve
9. Measuring dynamic range: -100dB~20dB
10. Power source: AC100-240V 50/60Hz

Main Features of Test Analysis Software

1. Test output voltage:
AC/DC: 0 ~ 5.00 kV (can be set) Accuracy: $\pm 5\%$ @ 0.5 ~ 5.00 kV
2. Test current:
AC: 0 ~ 100 mA (can be set) Accuracy: $\pm 5\%$ @ 0.2 ~ 100 mA
DC: 0 ~ 20 mA (can be set) Accuracy: $\pm 5\%$ @ 0.2 ~ 20 mA
3. Timing: 1 ~ 99 s (can be set) Accuracy: $\pm 5\%$
4. Output power : AC 500VA , DC 100VA
5. Safety protection functions: a. Breakdown protection. b. Out of tolerance alarm.
6. Power supply: AC220V $\pm 10\%$, 50Hz



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