

RDCF-150KV Precision High Voltage Divider

As an ideal equipment for high voltage measurement, this product is mainly used for power system and electrical and electronic equipment manufacturing departments to measure power frequency AC high voltage and DC high voltage. The instrument consists of high voltage divider and low voltage display meter, which are connected by matching cables.



Product features

1. High precision

Precision high-voltage film capacitor and precision high-voltage glass glaze resistor are adopted, with high input impedance, low test current and low power consumption, which improves the measurement accuracy and stability of the instrument;

In the signal processing part, high-performance OP is used for signal amplification, the latest double integral AD sampling technology is used, and four-and-a-half-bit liquid crystal display is used. The highest resolution reaches 0.001kv. It is an updated product of high-voltage electrostatic voltmeter.

2. Good anti-jamming performance

Special shielding technology is adopted. The surface of aluminum alloy grading ball is smooth and glossy, which effectively improves the electric field distribution around the grading ball, prevents tip discharge and improves the anti-interference ability of measured data. The low-voltage display instrument is shielded by all metal enclosed structure, and the high-voltage divider and low-voltage display instrument are connected by high-quality coaxial cable to reduce the influence of high voltage on the indication, so as to achieve high stability and high linearity.

3. Safe and reliable

The instrument is composed of high-voltage divider and low-voltage display instrument. The high-voltage divider is filled with DuPont filling material and sealed by special process. It has smaller structure, lighter weight, minimum internal partial discharge and higher reliability. There is no oil leakage. When working, the high voltage divider and the low voltage instrument are connected by coaxial cable, and the high and low voltage parts are far away, so the work is safe and reliable.

4. Simple operation

Using dial switch to switch high and low voltage, AC and DC, convenient and fast. Four-and-a-half-digit liquid crystal directly displays the measurement results, which is simple and intuitive. It brings great convenience for on-site detection work.

5. Easy to carry about

It adopts portable structure. The whole machine is made of aluminum alloy packing box, which can be easily disassembled. Small size, light weight, easy to carry, very convenient to use.



Product specifications and technical parameters

Model.No	RDCF-150KV
Divider impedance	1800 MΩ
Voltage class of voltage divider	AC: 150kV DC: 150kV
Display meter range	Low: 0-20kV High: 0-150kV
AC measurement mode	True RMS measurement
Precision	AC: 1.0% DC: 0.5%
Insulating medium	DuPont dry dielectric materials
Divider ratio	1000: 1
Connecting coaxial cable	3m
ambient temperature	0~40°C
Humidity	≤85%RH



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