

RDZG DC Hipot

RDZG DC hipot adopts PWM high-frequency pulse width modulation technology for closed-loop adjustment, with high voltage stability, a small pulsation factor, and a fast and reliable protection circuit. The display adopts a green backlight and wide temperature liquid crystal display, which can display data in intense light and dark. DuPont's new filling material is used for high-pressure parts, making the product's performance more stable and reliable. The products are widely used in preventive experiments and scientific research institutes of power generation and power supply departments, power transmission and transformation engineering companies, large-scale factories, and mining enterprises, such as DC high-voltage regulated power supply.



Product Features

1. PWM high-frequency pulse width modulation technology is adopted for closed-loop adjustment. It has high voltage stability, a small ripple factor, and a fast and reliable protection circuit. The machine can withstand the direct discharge of a large capacitance sample to the ground, and it is small in size, light in weight, and convenient for field use.
2. Full range linear, smooth voltage regulation, voltage regulation accuracy is better than 0.1%; voltage measurement accuracy is 0.5%, the resolution is 0.1kV; current measurement accuracy is 0.5%, minimum resolution: control box 1 μ A, anti-impact ammeter 0.1 μ A
3. The power supply is 220V (AC220V \pm 10%, 50Hz \pm 1%) , and the pulsation factor is less than 0.5%. It can be used all day at work.
4. The high-pressure multiplier adopts DuPont material and all solid packaging, which overcomes the inconvenience caused by air- and oil-filled equipment. It has a wide base, a light-quality outer tube, stable placement, and more convenient

maintenance.

5. The 75%MOA voltage conversion button and test arrester are simple and convenient.
6. It has an over-voltage setting function, displaying the over-voltage value during the adjustment process, and perfect over-voltage, over-current, and short-circuit discharge protection functions. It's the best companion for cable testing.
7. It has perfect protection functions of disconnection and non-zero potential starting so that the operator and the test object can be protected safely at any time. The control box's overall design is shockproof, and the panel is simple and clear, with an operation sound prompt.



Product specifications and technical parameters

Voltage kV Current mA	Control box			DC high voltage generator	
	Rated voltage	External dimension (mm)	Weight (kg)	External dimension (mm)	Weight (kg)
60/2-10	60kV	310*250*230	5	470*260*220	6
80/2-10	80kV	310*250*230	6	490*260*220	8
100/2-10	100kV	310*250*230	6	550*260*220	8
120/2-10	120kV	310*250*230	7	600*260*220	10
200/2-5	200kV	310*250*230	8	1000*280*270	20
250/2-5	250kV	310*250*230	8	1130*290*270	20
300/2-5	300kV	310*250*230	9	1300*290*270	22
350/2-5	350kV	310*250*230	9	1370*290*270	24
Output polarity	Negative voltage polarity, zero voltage start, linear continuous adjustable				
Working power supply	50HZ AC220V±10%				
Voltage measurement accuracy	± 0.5% ± 2 words, minimum resolution 0.1kv, measurement range (range 10% to 1.1 times of range)				
Current measurement accuracy	± 0.5% ± 2 words, minimum resolution: 0.1 μ a for anti-impact ammeter, 1 μ a for control box, measuring range (10% of range to full scale).				
Ripple coefficient	≤0.5%				
Voltage stability	Random fluctuation, ≤ 0.5% when the grid voltage changes ± 10%				
Operation mode	Intermittent working system, less than 30 minutes under rated load				
Working conditions	Temperature: 0-40 °C, humidity less than 90%				
Storage conditions	Temperature: -10°C~40°C, humidity less than 90%				
Altitude	Below 3000 meters				

Note: the external dimension of DC high voltage generator = diameter of equalizing cover (R) * diameter of the insulating cylinder (R) * total height (H)



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