

## RDZK-IV Vacuum Interrupter Tester

The common method to judge whether the vacuum degree of vacuum tube is deteriorated or not is power frequency withstand voltage method. This method can only judge the interrupter with serious vacuum degree deterioration. However, when the vacuum degrades to  $10^{-2} \sim 10^{-1}$  Pa, although the breakdown voltage does not decrease, the interrupter is not qualified. RDZK- IV



Vacuum Interrupter Tester adopts excitation coil and magnetic controlled discharge method to test the vacuum degree of arc extinguishing chamber without dismantling the arc extinguishing chamber. At the same time, the microcomputer is used for synchronous control and data acquisition and processing, so that the field test sensitivity of the vacuum degree of the interrupter reaches  $10^{-5}$  Pa. The outstanding feature of Vacuum Interrupter Tester adopts excitation coil and data processing method to realize the measurement of vacuum degree without disassembly. Vacuum Interrupter Tester has the advantages of convenient use, simple operation, no disassembly, high measurement and test accuracy. It is a practical testing instrument, which is widely used in electric power, steel, petrochemical, textile, coal, railway and other departments using vacuum switch.




### Product features

1. It can measure the vacuum degree of various types of vacuum switch interrupter quantitatively.
2. There is no need to dismantle the vacuum switch in field measurement.
3. The test results are accurate and reliable.
4. LCD screen, more simple and convenient operation.
5. It can save, print and view the test data.
6. The vacuum tester of vacuum switch is light weight and easy to carry.



## Product specifications and technical parameters

<b>Picture</b>		
<b>Model</b>	<b>RDZK-IV</b>	
<b>No.</b>	<b>Parameters</b>	<b>Value</b>
<b>1</b>	Test object	various types of vacuum switch tubes.
<b>2</b>	Detection method	The new excitation coil is used to measure the vacuum tube without disassembly.
<b>3</b>	Scope of application	The instrument is a multi-purpose machine, which can measure various types of vacuum magnetic switch.
<b>4</b>	Detection range	$10^{-5} \sim 10^{-1}$ Pa
<b>5</b>	Measurement accuracy	$10^{-5} \sim 10^{-4}$ Pa , 15% $10^{-4} \sim 10^{-3}$ Pa , 15% $10^{-3} \sim 10^{-2}$ Pa , 10% $10^{-2} \sim 10^{-1}$ Pa , 10%
<b>6</b>	Magnetic field voltage	1700V
<b>7</b>	High voltage of pulsed electric field	30KV
<b>8</b>	Opening distance of switch tube during vacuum test	Normal opening distance
<b>9</b>	Operating environment	- 20 °C ~ 40 °C
<b>10</b>	Main engine weight	24 kg
<b>11</b>	Overall dimension	420 mm × 320 mm × 280 mm



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