



● Features

- I We use precision instruments dedicated silver contact switch, which has a small contact stress, contact resistance and its small variation and long service life, etc.
- II There is no zero indicating value at the end of the resistor plate, the starting resistance of the resistor is 00.1Ω, it can guarantee the accuracy without deducting the zero resistance when using.
- III Resistance element is winding with high quality wire, through strict process and sophisticated for a long time, has the characteristics of high accuracy, good stability.
- IV According with «Laboratory on DC resistor» of JP/T8225-1999 industrial standard.

● Applications

ZX25P type is ZX25A shell retrofit product, which adopts the international popular new type P III shell, compared with the original aluminum alloy shell, has beautiful and easy, strong practical, good corrosion resistance, compression resistance and easy to carry, etc, is not only suitable for laboratory is also suitable for field use hand workshop.

● Applications And Ratings

	Reference ranges	Nominal range	Ultimate range
Power	0.05W	0.1W	0.2W
Temperature(°C)	20+0.5	10—30	/
Humidity	40%-60%	25%-80%	/

Step panel(Ω)	10×1000	10×100	10×10	10×1	10×0.1	10×0.01
Tolerance	±0.02%	±0.02%	±0.05%	±0.2%	±1%	±5%
Test current (0.1W)	10mA	30mA	100mA	300mA	1A	3A

1. Adjustable range: 0.01Ω~11111.11Ω
2. The residual resistance of the resistance box: $R_0=20m\Omega \pm 10m\Omega$.
Allowed variation:
3. 1) Variation caused by temperature: Under the reference condition of relative humidity and power, temp is beyond the reference range, but under the nominal condition, Variation caused by temp should not be less than a corresponding grade index.
2) Variation caused by relative humidity: Under the reference condition of temp and power, relative humidity is beyond the reference range, but under the nominal condition, Variation caused by humidity should not be less than a corresponding grade index.
3) Variation caused by power: Under the reference condition of temp and relative humidity, power is beyond the reference range, but under the nominal condition, Variation caused by power should not be less than a corresponding grade index.
4. Insulation resistance: Under the nominal condition, the insulation resistance between the circuit and the case should be equal or more than 500MΩ(Test voltage:500V).
5. Voltage test: Under the nominal condition, the circuit between the metal shell of the resistance box can pass the experiment of frequency of 45~65Hz and the actual sine wave ac voltage 2000V/1min without breakdown and there is no flashover.
6. Size: 314mm×276mm×167mm, weight: 4.5Kg

● Notice

1. Before using, you should turn the knob from the starting point to end point several times, make the contact of the switch connect well.
2. Resistor leads out from two terminal lead, each terminal has two knobs. High resistance can be used two wire leads. Low resistance must adopt four wire leads, in order to ensure the accuracy of the resistance.
3. Use power or test current: resistor had better not exceed rated power, when using, the test current is within the table data. Extreme power can only be inside the short time (such as 2 ~ 3 seconds), otherwise it will cause permanent damage.
4. Product should be in store in the environment of 5—35°C, relative humidity less than 75%, Indoor air should not contain corrosive gas and harmful substances, should not be direct sunlight.

● Ordering Information

Example:

ZX25P	01	10R00	F
(1)	(2)	(3)	(4)
Series Name	Power	Resistance	Resistance Tolerance

(1)Series Name:ZX25P

(2)Power:005=0.05W,01=0.1W

(3)Resistance:0R100=0.1Ω,0R220=0.22Ω,10R00=10Ω,1M000=1MΩ

(4)Resistance Tolerance: B(±0.1%),D(±0.5%),F(±1.0%),G=±2%,J=±5%