

INSTRUCTION MANUAL

TS□-V series intelligent controllable silicon voltage adjustor

I .Brief introduction

When uses with controllable silicon, TS□-V series intelligent controllable silicon voltage adjusting manostat can regulate the voltage on the load. Regulator adopts moving trigger way to change the effective value of every doing work wave on the load, and output voltage is in the way of continually and slowly voltage adjusting. Because of the function of negative feedback of deep voltage, it has good adjusting linear, so that the influence of the fluctuation of the electric wire net is also reduced to extremely low. It can realize the measurement of the electric current , voltage on load with an ordinary ammeter . The adjustor adopts the digital display and digital regulating method of inside-installed micro processor, showing that the voltage fetches directly from load. The necessary voltage on load can dab the panel key to set up directly, this work is reliable and steady. It can regulate the tempetature value of bottle blowing,mould heating,packing machine,etc. the performance cost ratio is extremely high.

II .Technical parameter

1. output impulse: breadth value $\geq 3V$, width $\geq 50\mu s$ (when the load is 20Ω)
2. voltage setting range: 0—200V(or the voltage you want)
3. working environment: temperature $0 \sim 50^{\circ}C$, relative humidity does not exceed 85%,non-corrosive environment.
4. power supply: AC $220V \pm 15\%$, $50Hz \pm 1Hz$; about 3VA

III.Model No. introduction

TS □ - V

□ means the size:

Model code	Porduct size(mm)	Housing size(L×W mm)
TS A	96×96	92×92
TS D	72×72	68×68
TS E	48×96	45×92
TS G	48×48	45×45

For example: TSA-V means the instrument size is 96×96mm.

IV.Installation

1. connect the output 、 power、 and loading wire according the right drawing.
2. it's necessary that the controllable silicon can endure 600V voltage or above,and the rated current for controllable silicon must be twice to the actual current. Fix big enough radiator to cool the controllable silicon,to avoid it's temperature exceed $100^{\circ}C$.
3. the wire connected to the controllable silicon anticathode must be connected to the live power wire.
4. if the controllable silicon radiator is electriferous, we must pay attention to prevent the short circuit.
5. if connect a current instrument,it must connect to the controllable silicon anticathode,do not let the trigger signals get through the current instrument.
6. every signal wire connected to controllable silicon should be set apart to avoid the interference from each other.

V.Attentions

1. if the "PV" window is glittering,please check if the controllable silicon is damaged or broken.
2. do not drive the induction part、 voltage-decrease,etc to avoid damaging the instrument.
3. if the controllable silicon output blocked or vibrating,try to exchange the wires connected to the trigger output signal wires.
4. according to the different requests to the SCR,there are two kinds of SCR: two-way controllable silicon and controllable silicon module. Therefore, please pay attention to the way of wires connection,for details please check the label on the instrument.
5. keep the instrument in dry and ventilation environment,the relative humidity and environment temperature should be comfortable to the instrument.
6. the defective emaged within one year from the date Ex-factory,factory will take the responsibility to repair.