TRC2020-CKH Series

Handheld Controller | 10V Analog Control, Typical Control Distance 1.5m, DB25 Compatible

- Control Signal: 0~10V corresponds to power 0~rated
- Display Status: High voltage on/off, voltage/current, high voltage status, etc.
- Control Signal: High voltage on/off, voltage/current
- Control Distance: 1.5m (customizable for longer distance)
- Temperature: -25~40°C
- Humidity: <85%
- Matching Model: TRC2020 (Typical)

Product information：

The Teslaman TRC2020-CKH Series Handheld Controller connects to the high voltage power supply via a DB25 interface, providing convenient remote operation capabilities. Users can precisely adjust the output voltage (corresponding to 0 – rated output range) using a 0–10V analog signal, and monitor real-time voltage/current readings as well as power supply status. The controller features a high voltage on/off switch and an abnormal alarm indicator, supporting safe-distance operation. It is especially suitable for equipment commissioning, maintenance, and similar scenarios. It is typically compatible with the entire TRC2020 Series high voltage power supplies. For other power supply models, adaptability can be achieved by modifying the pin assignments. The typical control distance is 1.5 meters. If the user has lower precision requirements, the distance can be extended to 10 meters or even farther.

User Guide:

1. Connection:Securely connect the controller's DB25 interface to the DB interface on the rear panel of the power supply.
2. Power On:Turn on the main power supply unit and verify that the controller's power indicator light is illuminated.
3. Control/Adjustment/Monitoring:
   Press the "HV ON" button to start the output.
   Turn the knob to adjust the 0–10V control signal (corresponding to 0 to rated high voltage output).
   Monitor the voltage/current values in real time via the display screen
4. Abnormal Condition:If an abnormality occurs, the "FAULT" indicator light will illuminate, and the high voltage will automatically turn off. Press the "RESET" button to reset.
5. Shutdown:Return the voltage/current to zero, turn off the high voltage, and then disconnect the controller.
6. Maintenance:During use and maintenance, always keep the controller's surface clean to prevent contamination. The instrument should be stored in a dry place and properly cared for.

Cautions:

1. Do not modify the DB25 pin order by yourself
2. Adhere to the principle of handling with care; do not drop, collide, squeeze, etc.

Accessories:

One 25-core ribbon cable, standard length 1.5 meters