

## 固定式定值分流器说明 Description of Fixed Value Diverter

### 用途 Application

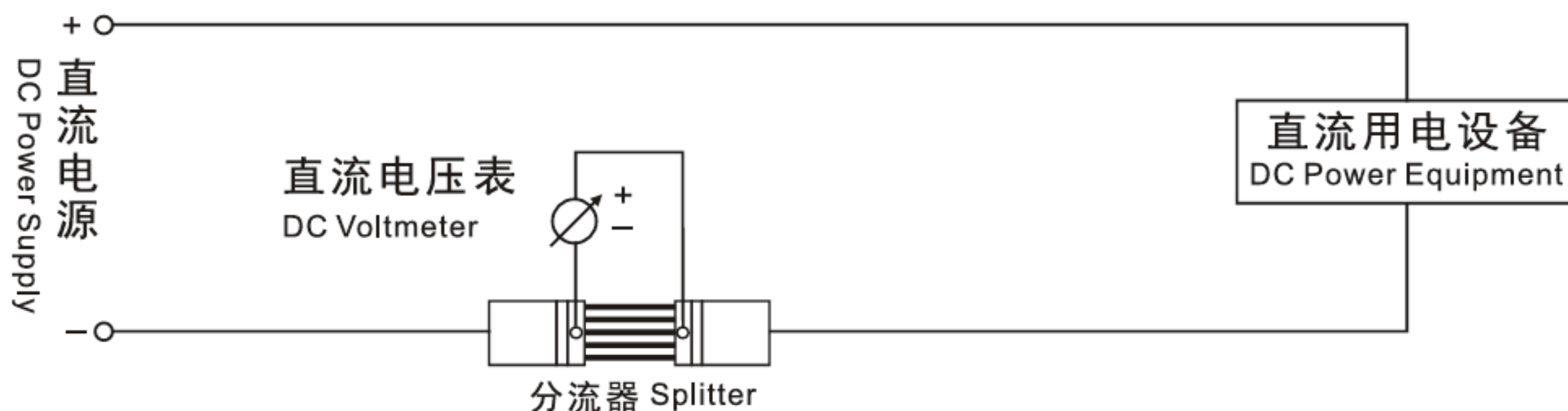
固定式定值分流器是一种适用于对测量直流电流在10kA以下直接作用于模拟显示仪器连同使用以扩大直流电流测量范围的外附分流器，或可看成在依次电路中作电流取样用的标准电阻器，其取样电压可看作测量用的一次电流的模拟信号。

Fixed fixed value shunt is a kind of external shunt which can directly act on the analog display instrument when the measured DC current is less than 10kA and is used to expand the DC current measurement range, or it can be regarded as a standard resistor for current sampling in the sequential circuit, and its sampling voltage can be regarded as the analog signal of the primary current for measurement.

### 主要技术参数 Main Technical Parameters

- 1、准确度等级：2-4000A；0.5级；5000~10000A；1级。
  - 2、环境条件：-40~+60℃，相对湿度≤95%（35℃）。
  - 3、超载性能：额定电流120%，2小时。
  - 4、电压降：50mV 60mV 75mV 100mV。
  - 5、负载下发热：温升变化趋于稳定后，额定电流50A以下不超过80℃；额定电流50A以上不超过120℃。
1. Accuracy level: 2-4000a; 0.5; 5000-10000a; level 1.
  2. Environmental conditions: - 40 ~ + 60 °C, relative temperature ≤ 95% (35 °C).
  3. Overload performance: rated current 120%, 2 hours.
  4. Voltage drop: 50mV 60mV 75mV 100mV.
  5. Heating under load: after the temperature rise becomes stable, the rated current below 50A shall not exceed 80 °C; the rated current above 50A shall not exceed 120 °C.

### 分流器接线示意图 Shunt wiring diagram



### 注意事项 Attention

- 一、分流器一次回路的电缆（或铜排）与分流器连接处不允许有人为的接触电阻，二次电压的取样点不能从非取样点取样。
  - 二、实际使用的电流（长时间）建议不超过额定电流的80%。
- I. no artificial contact resistance is allowed at the connection between the cable (or copper bar) of the primary circuit of the diverter and the diverter, and the sampling point of the secondary voltage cannot be sampled from the non sampling point.
  - II. The actual current (for a long time) is recommended not to exceed 80% of the rated current.