

# DC current transducer(digital output)



## Model:THST18244D-RS485

Square plug terminal output, sub-plate mounting type;The faulty wiring can lead to product damage:The output is linear with primary test current,The output signal can be connected to a digital acquisition device that supports the RS485 communication interface to realize data acquisition and processing.

### Technical index:

Flame resistance: UL94-V0

Operating temperature:  $-10^{\circ}\text{C} \sim +70^{\circ}\text{C}$

Storage temperature:  $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$

Dielectric strength: 2.5KV 50Hz 1min

Waterproof level:IP00

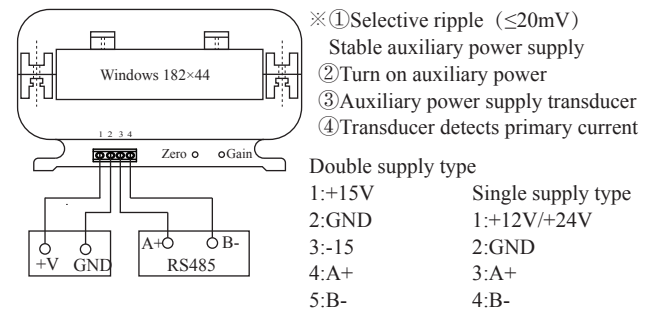


The picture is for reference only

### Electric parameters:

|                        |   |
|------------------------|---|
| Diameter               | □182*44   |
| Rated input            | 1000A~5000A   |
| Measure range          | $I_{pn} \times 120\%$                                 |
| output                 | Hexadecimal digital measurement value                 |
| Power supply           | +12V +24V $\pm 15V$                                   |
| Accuracy               | $\leq 1\%$  |
| Linearity              | $\leq 0.5\%$  |
| Current consumption    | 70mA+ $I_o$   |
| Transmission distance  | $\leq 50\text{m}$                                     |
| Zero offset            | $\pm 30\text{mV}$                                     |
| Response time          | $\leq 200\text{ms}$                                   |
| Communication protocol | RS485 Modbus RTU                                      |
| Baud rate              | 4800bps/9600bps/19200bps/38400bps/115200bps(optional) |
| Device address range   | 0X01~0XFF(optional)                                   |
| Frequency              | DC  |

### Schematic diagram:



### Connector schematic diagram:



Crimping terminal quick plug,KF2EDGK-3.81-4P-Curved needle,Distance 3.81

### Dimensions (in mm):

