

DC current transducer(digital output)



Model:THST10042D-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.

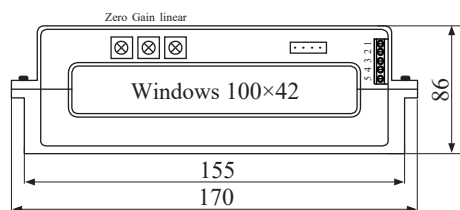
Technical index:

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

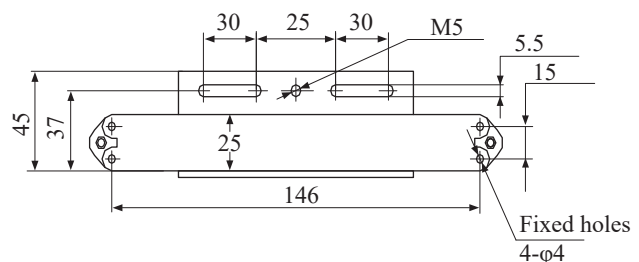
Electric parameters:

Diameter	□100*42
Rated input	600A~2000A
Measure range	$I_{pn} * 120\%$
output	Hexadecimal digital measurement value
Power supply	+12V +24V ±15V
Accuracy	≤1%
Linearity	≤0.5%
Current consumption	70mA+I _o
Transmission distance	≤50m
Zero offset	±30mV
Response time	≤200mS
Communication protocol	RS485 Modbus RTU
Baud rate	4800bps/9600bps/19200bps/38400bps/115200bps(optional)
Device address range	0X01~0XFF(optional)
Frequency	DC

Dimensions (in mm):



Front view

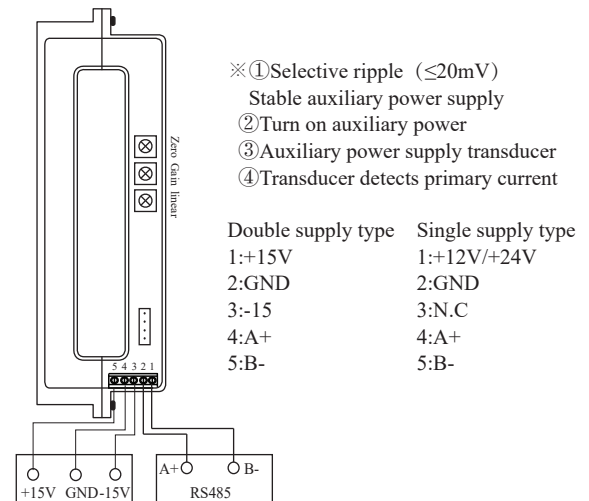


Bottom view

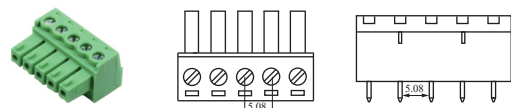


The picture is for reference only

Schematic diagram:



Connector schematic diagram:



Crimping terminal quick-connect plug,5.08-5P-Staight needle,Distance 5.08