

# DC current transducer(digital output)

Model: FE-THST6416D-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℃~+70℃

Storage temperature: -40℃~+85℃

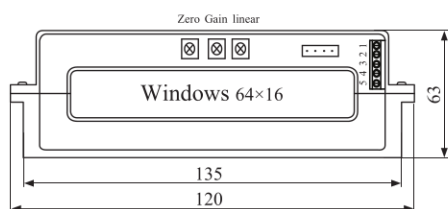
Dielectric strength: 2.5KV 50Hz 1min

Waterproof level:IP00

## Electric parameters:

Diameter	□64*16
Rated input	300A~2000A
Measure range	I <sub>pn</sub> *120%
Output	Hexadecimal digital measurement value
Power supply	+12V +24V ±15V
Accuracy	≤1%
Linearity	≤0.5%
Current consumption	70mA+I <sub>o</sub>
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):

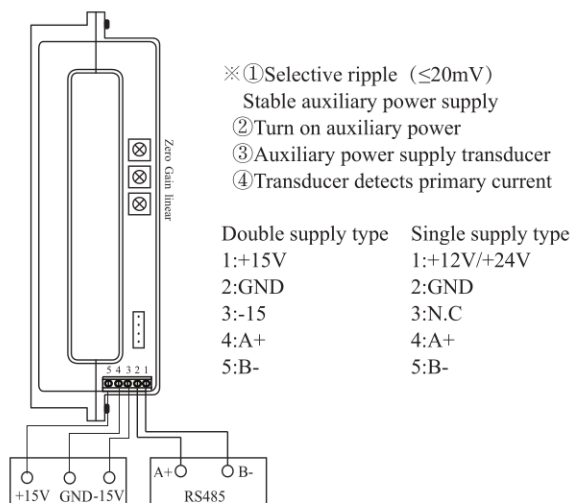


Front view

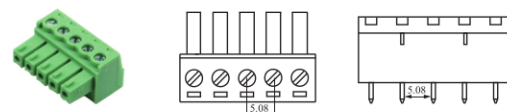


The picture is for reference only

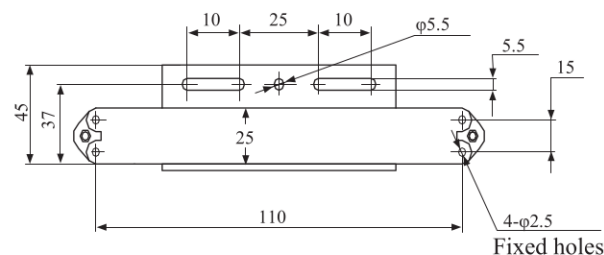
## Schematic diagram:



## Connector schematic diagram:



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



Bottom view