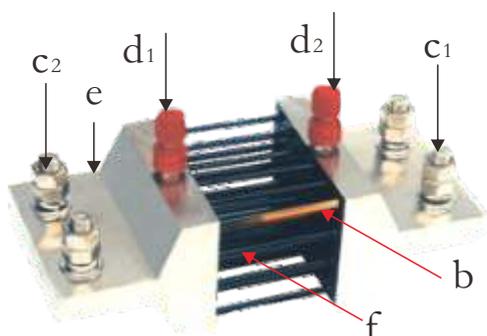


A range of direct current shunts which provides an accurate millivolt signal, exactly proportional to the system current. they can be used to drive ammeter indicators, overload protection and control devices, these shunts enable the measurement of DC. current in ranges from 50A to 4000A with various output options available.

## Construction



b	Precision manganin
c1、c2	Input terminal
d1、d2	Output terminal
e	Copper base
f	Insulating coating

## Features

- I High reliability, Accuracy of 0.2%
- II High over loading ability
- III Extremely low inductance

## Applications

- I Used for extending the current range of measure
- II Current balance or sampling for testing
- III Automation control to limit the current

## Reference Standards

JIS C 5201-1

## Ordering Information

Example:

STF	100A	50mv	D	C	B
(1)	(2)	(3)	(4)	(5)	(6)
Series Name	Rated Current	Rated Drop	Resistance Tolerance	T.C.R	Packing

(1)Type: PTF

(2)Rated Current: 125=125A,100=100A,75=75A,50=50A,25=25A

(3)Rated Drop: 50=50mV,60=60mV,70=70mV,100=100mV,150=150mV

(4)Resistance Tolerance: C=±0.2%

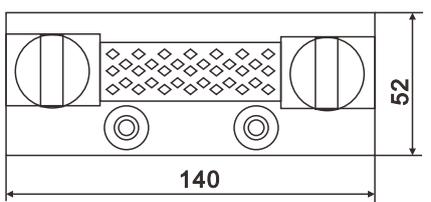
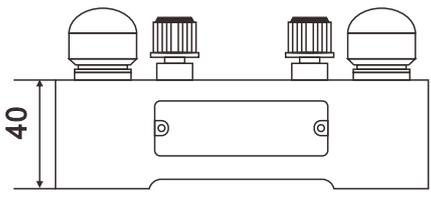
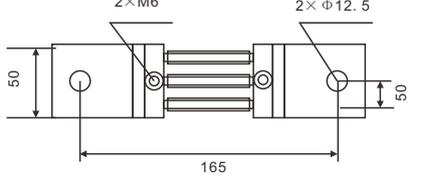
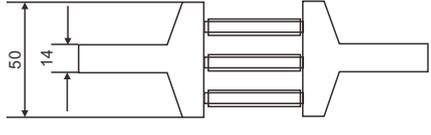
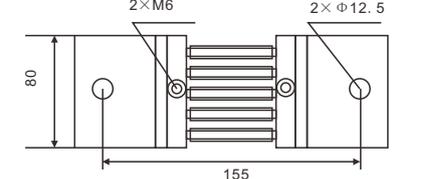
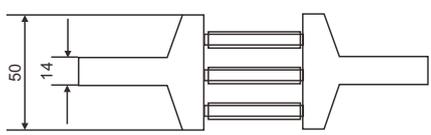
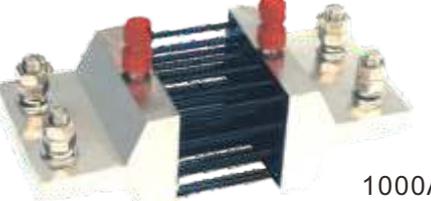
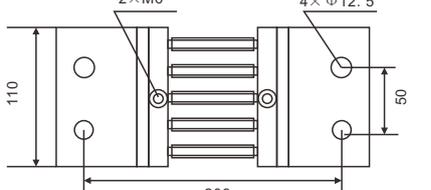
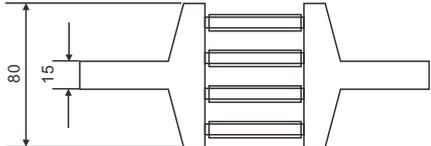
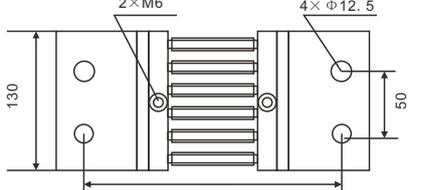
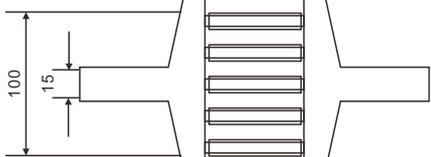
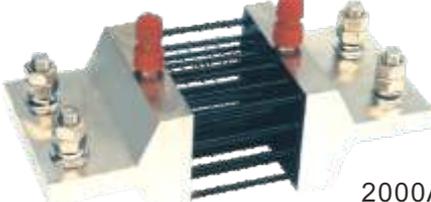
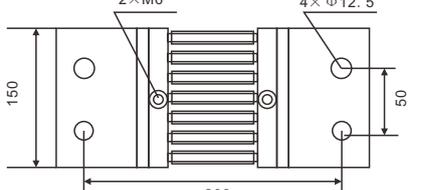
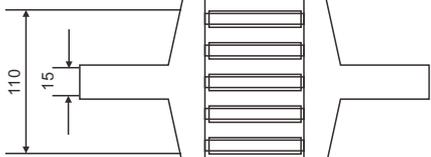
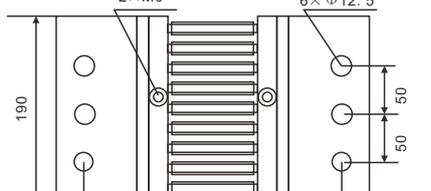
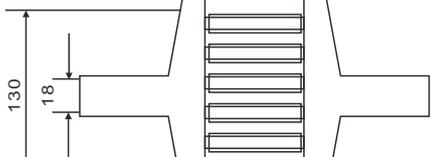
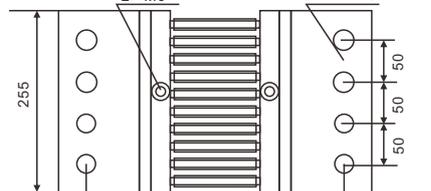
(5)T.C.R:C4=±20PPM

(6)Packing:B=bulk standard

## Performance

Test Items	Test Methods(JIS C 5201-1)
Accuracy class	0.2
Ambient temperature& Relative humidity	-40~+60℃ Relative Humidity≤95%(at35℃ )
Overload	Rating current120%,2h
Voltage outputs	50mv ,60mv ,75mv ,100mv , 150mv products are available
Surface temperature rise	Not beyond 80℃ lower than 50A, not exceed 120℃ if higher than 50A.
Temperature coefficient	±20x10 <sup>-6</sup> ℃ PPM/℃

**Dimensions**

 <p>50A-300A</p>	 <p>140 52</p>	 <p>40</p>
 <p>500A</p>	 <p>50 165 2×M6 2×φ12.5</p>	 <p>50 14</p>
 <p>750A</p>	 <p>80 155 2×M6 2×φ12.5</p>	 <p>50 14</p>
 <p>1000A</p>	 <p>110 209 2×M6 4×φ12.5</p>	 <p>80 15</p>
 <p>1500A</p>	 <p>130 209 2×M6 4×φ12.5</p>	 <p>100 15</p>
 <p>2000A</p>	 <p>150 209 2×M6 4×φ12.5</p>	 <p>110 15</p>
 <p>3000A</p>	 <p>190 255 2×M6 6×φ12.5</p>	 <p>130 18</p>
 <p>4000A</p>	 <p>255 255 2×M6 8×φ12.5</p>	 <p>180 20</p>