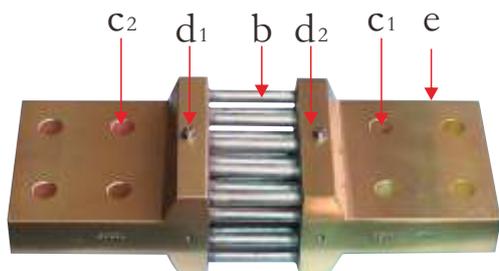## Construction

c₂ d₁ b d₂ c₁ e

● Features

Ⅰ High reliability
Ⅱ High over loading ability
Ⅲ Extremely low inductance

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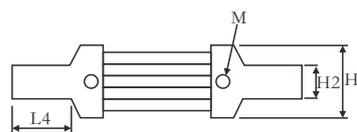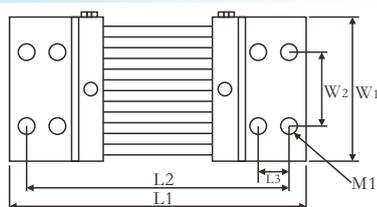
Ⅰ Used for extending the current range of measure
Ⅱ Current balance or sampling for testing
Ⅲ Automation control to limit the current

b	Precision manganin
c1,c2	Input terminal
d1,d2	Output terminal
e	Copper base

● Dimensions,Applications And Ratings

Type	Voltage type	Current	Dimensions(mm)										Weight (g)
			L1±1.0	L2±1.0	L3±1.0	L4±1.0	W1±1.0	W2±1.0	H1±0.5	H2±0.5	M1±0.3	M±0.3	
STF	50mv	3000A	273	232	45	90	105	55	63	26	13	4	7.6
		4000A	273	232	45	90	125	76	63	26	13	4	9.0
		5000A	289	294	50	98	126	70	100	37	16.5	4	12.5
		6000A	289	294	50	98	135	80	100	37	16.5	4	14.5
	60mv	3000A	281	241	45	90	105	55	63	26	13	4	7.7
		4000A	281	241	45	90	125	76	63	26	13	4	9.1
		5000A	298	258	50	98	126	70	100	37	16.5	4	12.5
		6000A	298	258	50	98	135	80	100	37	16.5	4	14.5
	75mv	3000A	298	255	45	90	105	55	63	26	13	4	7.8
		4000A	298	255	45	90	125	76	63	26	13	4	9.2
		5000A	313	273	50	98	126	70	100	37	16.5	4	12.5
		6000A	313	273	50	98	135	80	100	37	16.5	4	14.5

● 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: STF SERIES

(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: D=±0.5%

(5)T.C.R:C3=±25ppm,C4=±20ppm,C5=±15ppm

(6)Packing:B=bulk standard

● Reference Standards

JISC 5201-1

● Performance

Test Items	Test Methods(JIS C 5201-1)
Tolerance Accuracy class	0.5
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 over than 80℃ within 50A, not exceed 120℃ if higher than 50A
Temperature coefficient	$\pm 25 \times 10^{-6}$℃；$\pm 50 \times 10^{-6}$℃；$\pm 100 \times 10^{-6}$℃；