

Shunt Resistors - SR

By measuring the Voltage drop across the Resistor with the known resistance, you can calculate the needed Current.

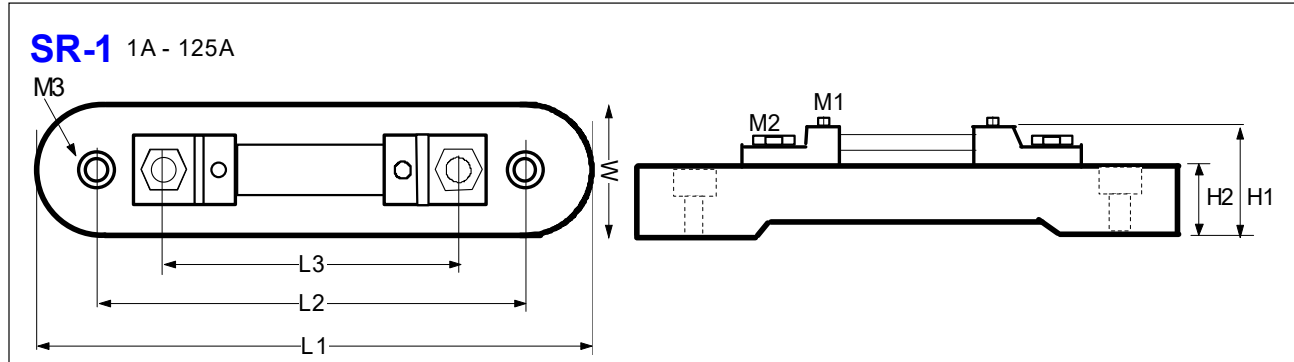
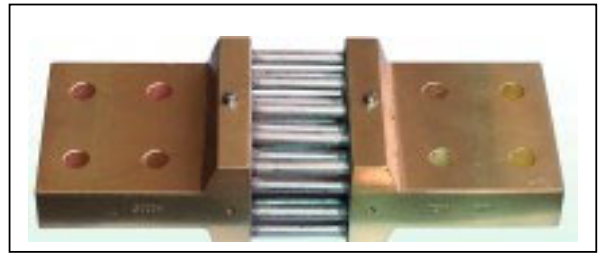
We do our best to support customised Resistance values to meet customer's application needs.

Current range : 1A to 6000A

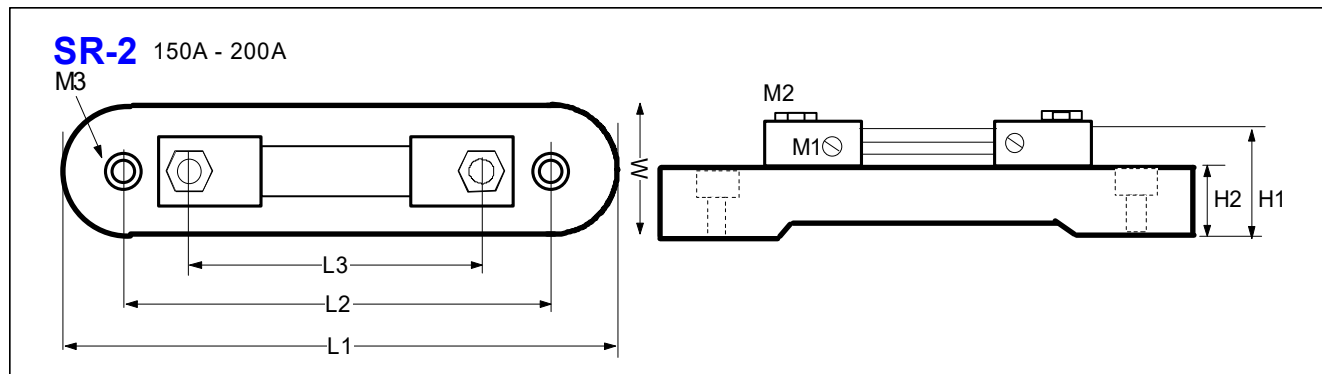
Support High Current requirement

Voltage : 50mV, 60mV, 75mV, 100mV and 150mV

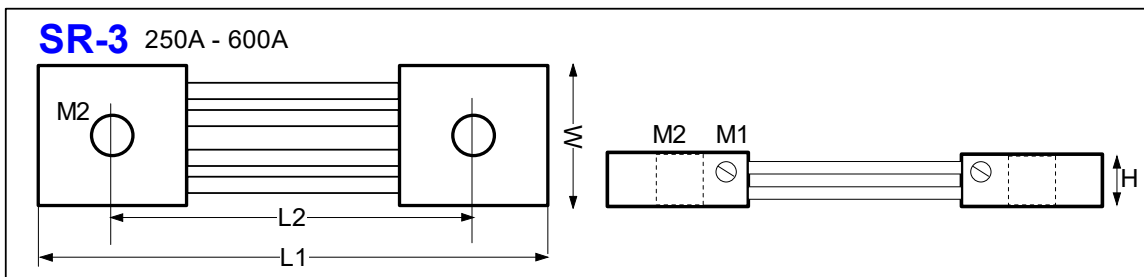
We suggest to add about 40% load current capacity on top of the actual load current for continuous application. This can increase the resistor long run stability.



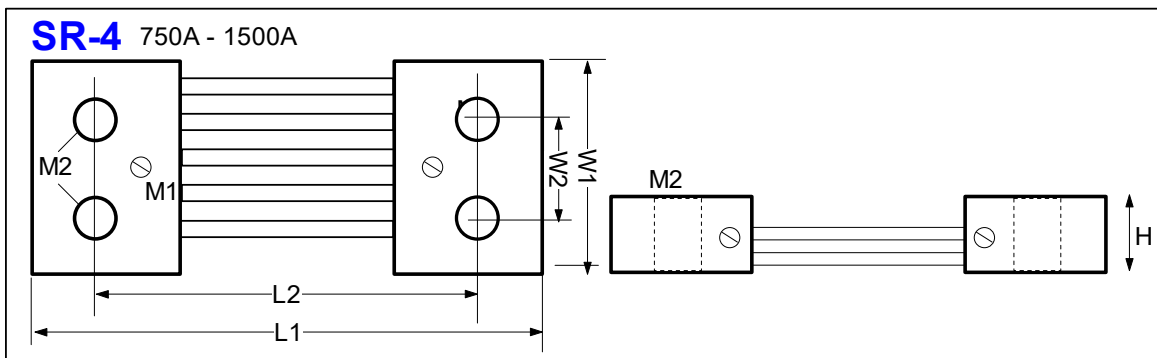
Voltage / Current	Dimensions in mm						Screw size in mm			Weight in g
	L1 +/-1.0	L2 +/-1.0	L3 +/-1.0	W +/-1.0	H1 +/-0.5	H2 +/-0.5	M1	M2	M3	
50mV : 1A to 125A	135	110	72	30	24	10	3	6	6	140
60mV : 1A to 125A	150	125	84	30	30	16	3	6	6	140
75mV : 1A to 125A	150	125	88	30	30	16	3	6	6	140



Voltage/ Current	Dimensions in mm						Screw size in mm			Weight in g
	L1 +/-1.0	L2 +/-1.0	L3 +/-1.0	W +/-1.0	H1 +/-0.5	H2 +/-0.5	M1	M2	M3	
50mV : 150A to 200A	135	110	68	30	25	10	3	8	6	245
60mV : 150A to 200A	150	125	80	30	31	16	3	8	6	260
75mV : 150A to 200A	150	125	84	30	31	16	3	8	6	265
100mV : 150A to 200A	170	150	105	30	31	16	3	8	6	270

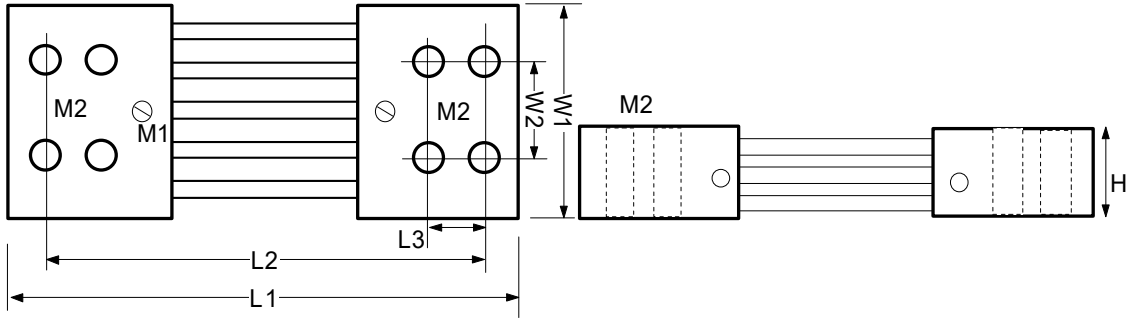


Voltage	Current	Dimensions in mm				Screw size in mm		Weight in g
		L1 +/-1.0	L2 +/-1.0	W +/-1.0	H +/-0.5	M1	M2	
50mV	250 - 300A	117	86	35	18.5	4	13	430
	400A	117	86	44	18.5	4	13	530
	500A	117	86	55	18.5	4	13	640
	600A	123	90	55	21	4	13	830
60mV	250 - 300A	126	96	35	18.5	4	13	430
	400A	126	96	44	18.5	4	13	530
	500A	126	96	55	18.5	4	13	650
	600A	132	98	55	21	4	13	830
75mV	250 - 300A	138	107	35	18.5	4	13	430
	400A	138	107	44	18.5	4	13	530
	500A	138	107	55	18.5	4	13	650
	600A	144	111	55	21	4	13	840



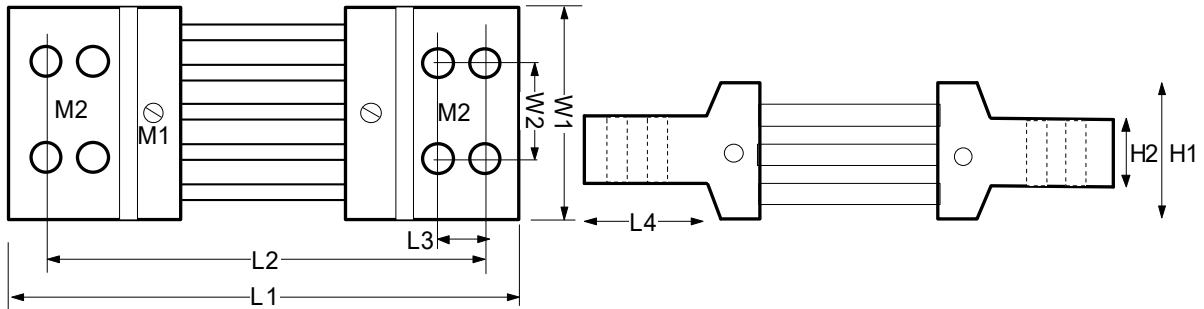
Voltage	Current	Dimensions in mm				Screw size in mm		Weight in kg
		L1 +/-1.0	L2 +/-1.0	W1 +/-1.0	W2 +/-1.0	M1	M2	
50mV	750A - 800A	123	90	70	35	21	4	13
	1000A	163	122	70	35	21	4	13
	1200A	165	124	85	45	21	4	13
	1500A	163	122	100	49	21	4	13
60mV	750A - 800A	132	98	70	35	21	4	13
	1000A	172	131	70	35	21	4	13
	1200A	174	133	85	45	21	4	13
	1500A	172	131	100	49	21	4	13
75mV	750A - 800A	144	111	70	35	21	4	13
	1000A	185	145	70	35	21	4	13
	1200A	187	148	85	45	21	4	13
	1500A	185	145	100	49	21	4	13

SR-5 2000A - 2500A



Voltage	Current	Dimensions in mm						Screw size in mm		Weight in kg
		L1 +/-1.0	L2 +/-1.0	L3 +/-1.0	W1 +/-1.0	W2 +/-1.0	H +/-0.5	M1	M2	
50mV	2000A	190	162	37	100	50	39	4	13	4.7
	2500A	190	162	37	110	55	39	4	13	5.1
60mV	2000A	199	170	37	100	50	39	4	13	4.7
	2500A	199	170	37	110	55	39	4	13	5.2
75mV	2000A	212	184	37	100	50	39	4	13	4.8
	2500A	212	184	37	110	55	39	4	13	5.3

SR-6 3000A - 6000A



Voltage	Current	Dimensions in mm								Screw size in mm		Weight in kg
		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	M2	
50mV	3000A	273	232	45	90	105	55	63	26	4	13	7.6
	4000A	273	232	45	90	125	76	63	26	4	13	9.0
	5000A	289	294	50	98	126	70	100	37	4	16.5	12.5
	6000A	289	294	50	98	135	80	100	37	4	16.5	14.5
60mV	3000A	281	241	45	90	105	55	63	26	4	13	7.7
	4000A	281	241	45	90	125	76	63	26	4	13	9.1
	5000A	298	258	50	98	126	70	100	37	4	16.5	12.5
	6000A	298	258	50	98	135	80	100	37	4	16.5	14.5
75mV	3000A	298	255	45	90	105	55	63	26	4	13	7.8
	4000A	298	255	45	90	125	76	63	26	4	13	9.2
	5000A	313	273	50	98	126	70	100	37	4	16.5	12.5
	6000A	313	273	50	98	135	80	100	37	4	16.5	14.5

Electrical Specifications :

Testing	Specifications
Rated Voltage Drop	50mV, 60mV, 75mV, 100mV and 150mV
Accuracy Class	0.5% : for 1A to 4000A; 1% : for 5000 to 6000A
Short Time Overload Capacity	120% rated Current for 2 hours
Ambient Conditions	Temperature : -40C to +60C Relative Humidity : <= 95% at 35C
Resistor Surface Temperature increase	Load Current <= 50A : 80C Load Current > 50A : 120C
Capacity to Withstand External Mechanical Force	Shock frequency 80 to 120Hz 5 hours with acceleration less than 70m/s ²

Part Number :

Series + Rated Current + Rated Voltage Drop + Tolerance

SR-1	1A to 6000A	50mV	D = +/-0.5%
SR-2		75mV	F = +/-1%
SR-3		100mV	
SR-4		150mV	
SR-5			
SR-6			