

Burden Resistor Chart

Magnelab, Inc.

Burden Resistor Chart for Split-Core Current Transformers.

An unburdened SCT will produce 0.333 V output at the rated current using the resistors shown below:

SCT-0750 Series	
Rated Current amp	Resistor Ohms
5	490
10	245
15	163
20	123
25	98.1
30	81.7
50	49.0
60	40.9
70	35.0
100	24.5
150	16.3
200	12.3

SCT-2000 Series	
Rated Current amp	Resistor Ohms
100	24.5
200	12.3
300	8.17
400	6.13
600	4.09
800	3.06
1000	2.45
1200	2.04
1500	1.63

SCT-1250 Series	
Rated Current amp	Resistor Ohms
50	48.9
70	34.9
100	24.4
150	16.3
200	12.2
250	9.78
300	8.15
400	6.11
600	4.07

SCT-3000 Series	
Rated Current amp	Resistor Ohms
400	8.67
600	5.78
800	4.33
1000	3.47
1200	2.89
1500	2.31
2000	1.73
2500	1.39
3000	1.16