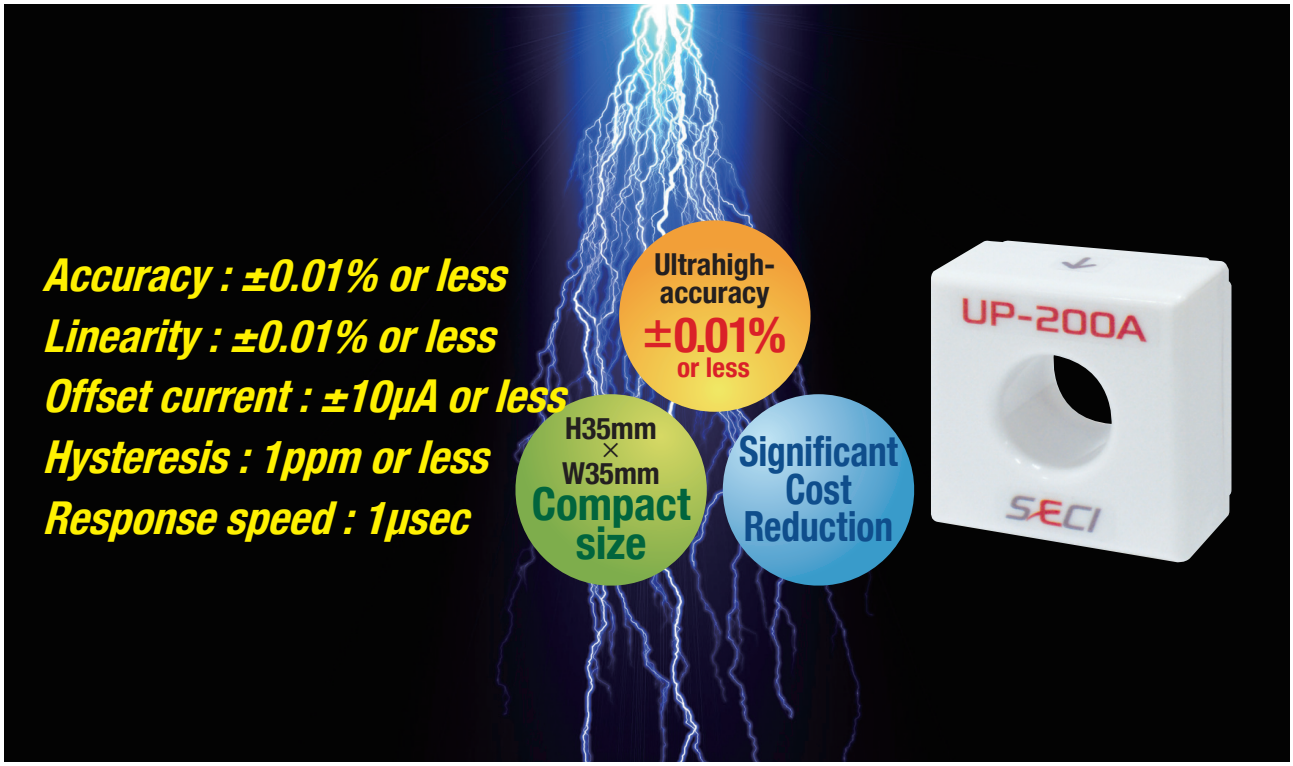
SECI
SoftEnergy Controls Inc.

Current Sensor UP-200A

Zero Magnetic Field Detecting Method



Main features

1 High-accuracy sensor with a range of ±0.01% or less accuracy. Hysteresis : 1ppm or less.

2 The Smallest Sensor in 200A Class.
H 35mm×W 35mm×D 20mm Weight : 30g

3 Significant cost reduction with SECI's original method.

4 Series : 200A (± 200A)

5 Available for EV battery packs.
Operating temperature : – 30°C to 80°C

Accuracy on each model

UPseries	MFUPseries	SUPseries
for both DC and AC	for both DC and AC	for both DC and AC
		Accuracy : ±0.1%
Accuracy : ±0.01%	Accuracy : ±0.005%	
	Build to order	AC only Accuracy : ±0.1%

Series lineup

External dimensions may differ from this brochure at the time of release. (February, 2012)

Detection current	Max rated output	External size (mm)	Available Wire Diameters
200A Class	±100mA	UPseries H35_W35_D20 MFUPseries H50_W50_D30 SUPseries H35_W35_D20	15mmφ

Direct-current characteristics

Current(A)	Voltage(V)	Range of error(%)
0A	0.00000	0.0000
50A	1.25001	0.0002
100A	2.50003	0.0006
150A	3.75004	0.0008
200A	5.00004	0.0008

Frequency characteristic

Temperature / Frequency	25℃ per 1V (V)
100Hz	1.00040
1KHz	1.00056
10KHz	1.00094

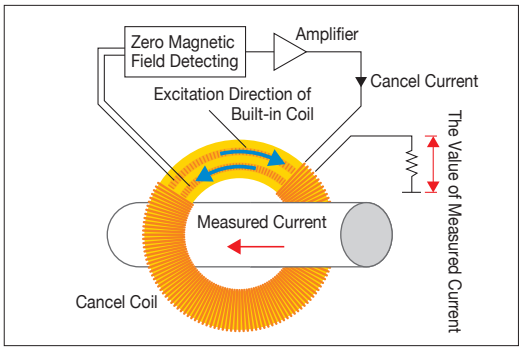
※ Input current : 40A

Specifications

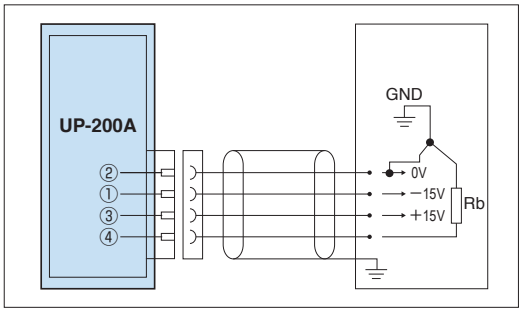
Measurement condition: Ultra precision resistance 50Ω within the range of error 0.001% is used as a load resistor

Temperature	Offset	Noise	Power-supply voltage	Voltage fluctuation	Consumption current
25℃	10μA	10μA	±15V	±5%	35mA

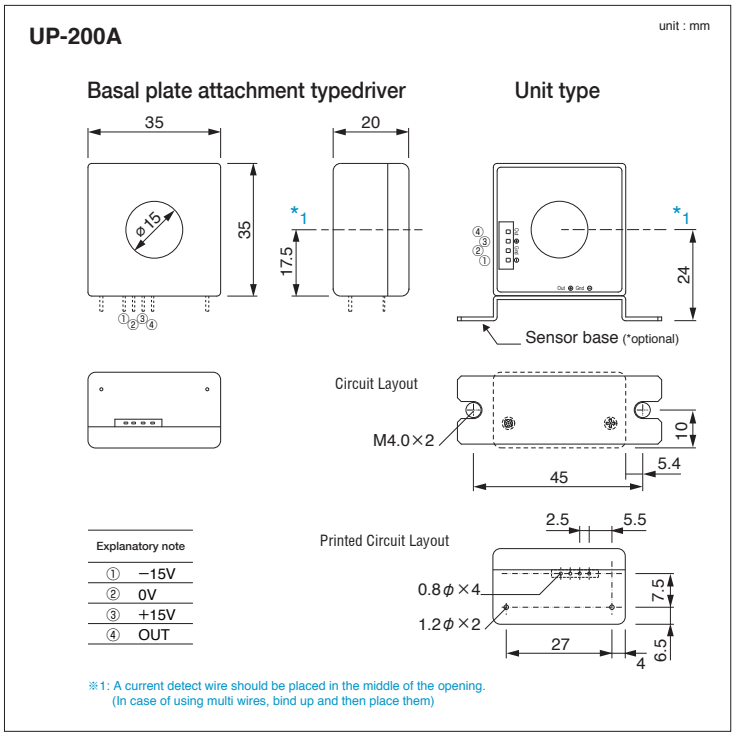
Structure



User interface



Dimensional drawing



SoftEnergy Controls Inc.
www.softenergy-controls.co.jp
+81-93-521-3711