

# HV Measurement Unit

- Provide the measuring unit for voltage / current / temperature as 3 factors required high accuracy
- Reduce height inside of battery pack

Measurement of current, voltage and temperature is required for high voltage line (battery pack) protection and battery management in EV.



## Feature

1

Measure voltage to detect troubles in high voltage power contactor, such as welding

2

Measure current values by Battery Management Unit(BMU)

3

Measure temperature for protecting the unit body and external peripheral parts

## Performance/Specification

Power Voltage	5V $\pm$ 0.25
Usage Temperature	-40 to 85degC
Output System	Digital communication UART(Supported CAN)
Voltage Detective Range	1000V
Voltage Measuring Accuracy	$\pm$ 1%
Voltage Measuring ch	2ch
Current Detective Range	$\pm$ 5000A
Continue Flowing Current	400A
Current Measuring Accuracy	$\pm$ 0.05A(offset) $\pm$ 0.5%(gain)
Shunt Resistance Temperature	Output
Battery Pack In/Out Temperature	Output(1ch)

Shunt Resistor

