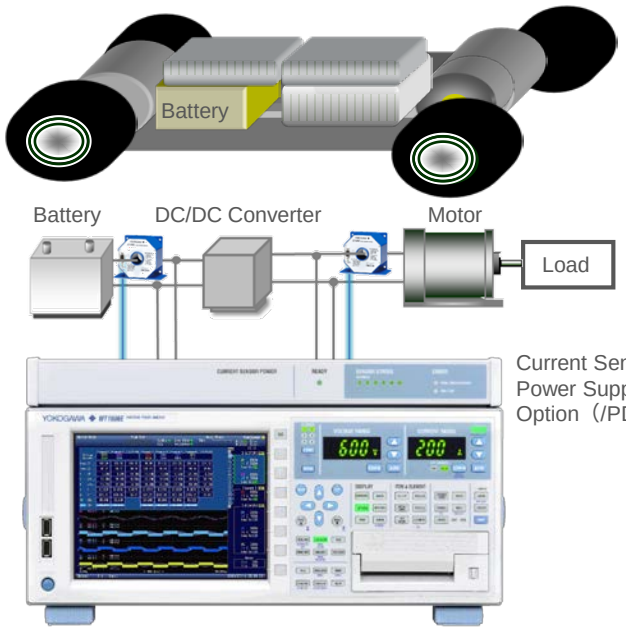
Power Measurement of Vehicle DC motors

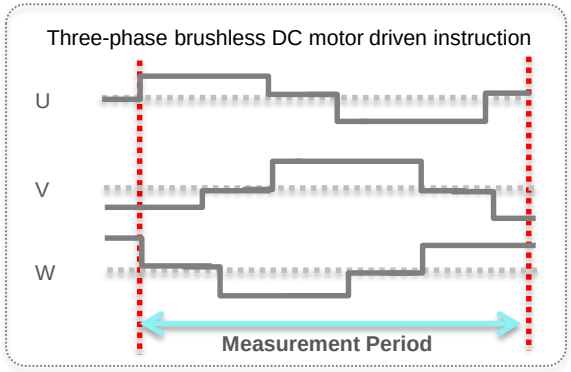
A lot of motors are used in one vehicle. Although the power consumption of a single motor is very small, when the multiple motors work at the same time, the power consumption increases significantly.
The WT1800E has up to 6CH of direct input, and also can measure large current with the CT and current sensor power supply option (/PD2). The single phase input/output power efficiency of DC/DC converter can be evaluated accurately. In addition to measuring voltage, current, power and harmonics, the Motor Evaluation Function option (/MTR) can measure the rotation speed (A,B and Z phase) and torque as well. It can also acquire the fast changing 3 phase signals of voltage, current, power, rotation speed and torque with 5ms interval with the standard function of High Speed Data Capturing.

Power Measurement of Vehicle Motors



Current Sensor Power Supply Option（/PD2）

High Performance Power Analyzer WT1800E
Equipped with 6CH Current Sensor Power Supply Option（/PD2）



Up to 2000A
High Bandwidth DC/AC Current Sensor

CT2000A CT1000 CT200 CT60

DC voltage, current, power and trend display

Power efficiency measurement of input/output