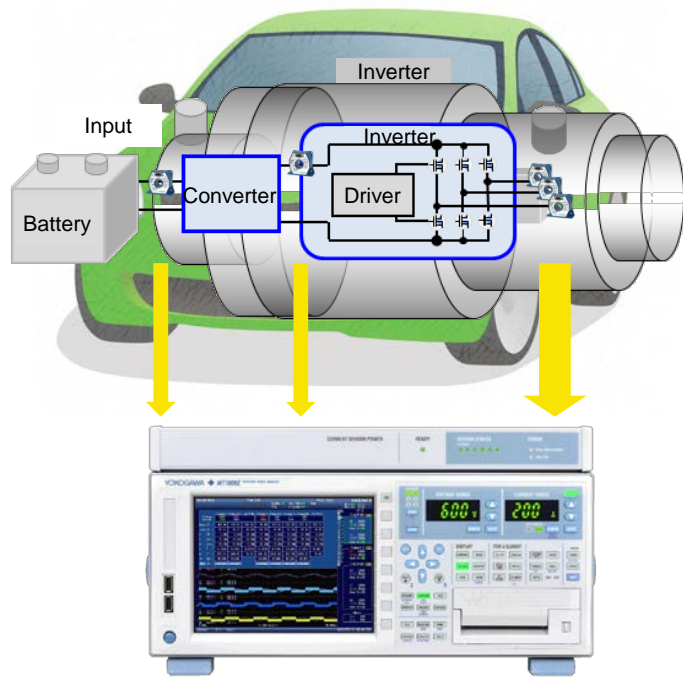


Power Measurement of Electric Compressor in EV/PHV

When the engine is stopped, in order to keep the air conditioning running, the electric compressor will be running under the control of the inverter. Not only should the electric compressor be compact size, light weighted and high efficient, the inverter should also act properly when the environment temperature changes very quickly. In addition, to maintain a vehicle in a comfortable temperature, compressor start must be fast and efficient since it will influence the power consumption. The WT1800E can acquire the data of voltage, current, power and the input/output power efficiency with 50ms interval. Also, equipped with the High Speed Data Capturing function, it can capture the DC signal or the 3 phase signals with up to 5ms interval (up to 1ms with an external synchronized signal) when the compressor starts.



High Performance Power Analyzer WT1800E

Waveforms of the inverter



Input/output and efficiency measurement



High Speed Data Capturing

