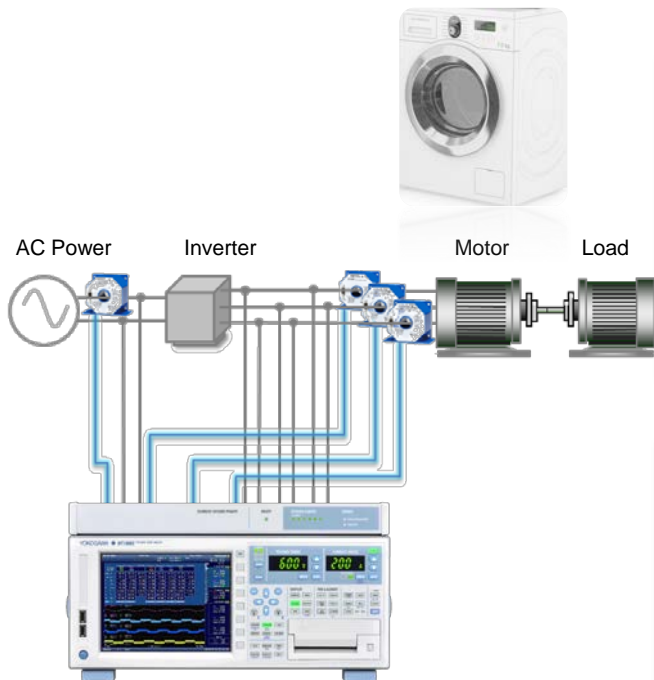


Power Consumption Measurement of Washing Machine and Clothes Dryer

In order to decrease the power consumption of washing machines or clothes dryers, the variable-frequency motors are widely used. In normal conditions, the power consumption of the motor should be measured for each rotating cycle accurately. For the purpose, electric energy is measured by the power integration function. The WT1800E can measure the power and power integration value (including the current integration value) more accurately with the new Auto Ranging function during the Integration Measurement.



High Performance Power Analyzer WT1800E

Waveform of the inverter input/output



Power Consumption Measurement



Power efficiency measurement



Inverter measurement result

Power efficiency

Input signal measurement result

* Regarding the power consumption of automatic washing machines, the Japanese regulation JIS C 9606 refers to the power consumption when the motor rotates 1 cycle with standard volume and under standard process.