

Standby Power Measurement in Product Development

■ WT300E series

In the development of consumer devices, growing efforts have been directed at reducing power usage based on the Energy Conservation Act. For example, in consumer products, current control is used in the standby operation mode and the power used has been reduced to 0.5W or less since 2013.

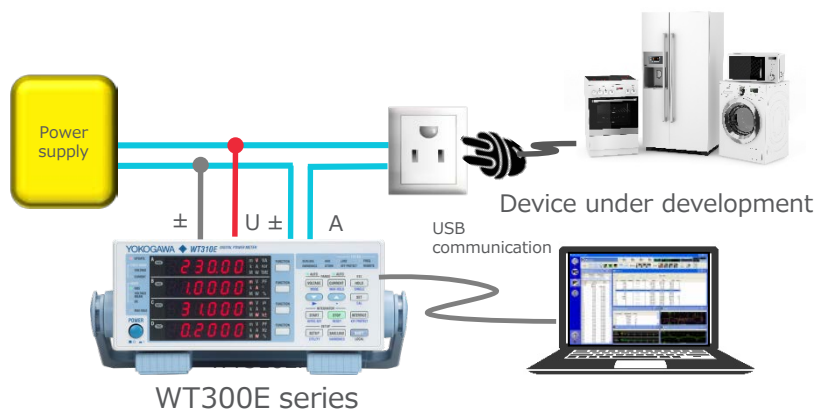
The WT300E can accurately measure microcurrents. The new electrical energy and cumulative current auto-range functions can be used to measure microcurrents and the rated current in more appropriate ranges.

*Careful attention must be paid when measuring the energy in devices where the current values change frequently.

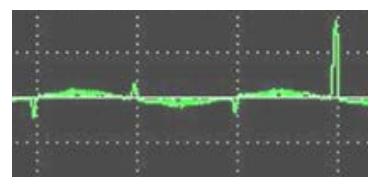
*Includes range skip function. You can select only the ranges needed.

*Supports auto-range function when measuring energy. Auto-range function during energy measurement and range configuration function can be used together.

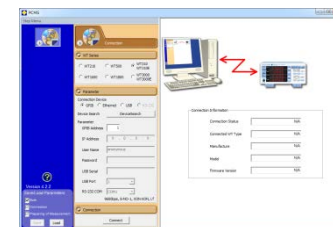
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■ Example of current signals during standby power measurement



■ Free power consumption measuring software compliant with IEC62301/EN50364



Communication function: Selectable from USB, GP-IB, RS-232, or Ethernet
 (Free power consumption measuring software can be used to conduct measurements compliant with IEC62301/EN50364.)

Be aware that if a large peak current flows intermittently, power meters for AC power may not measure the power correctly.

*The standards for standby power measurement in IEC62301 explicitly state that a shunt type power meter, that is, a power meter capable of measuring direct current, must be used for measurement.