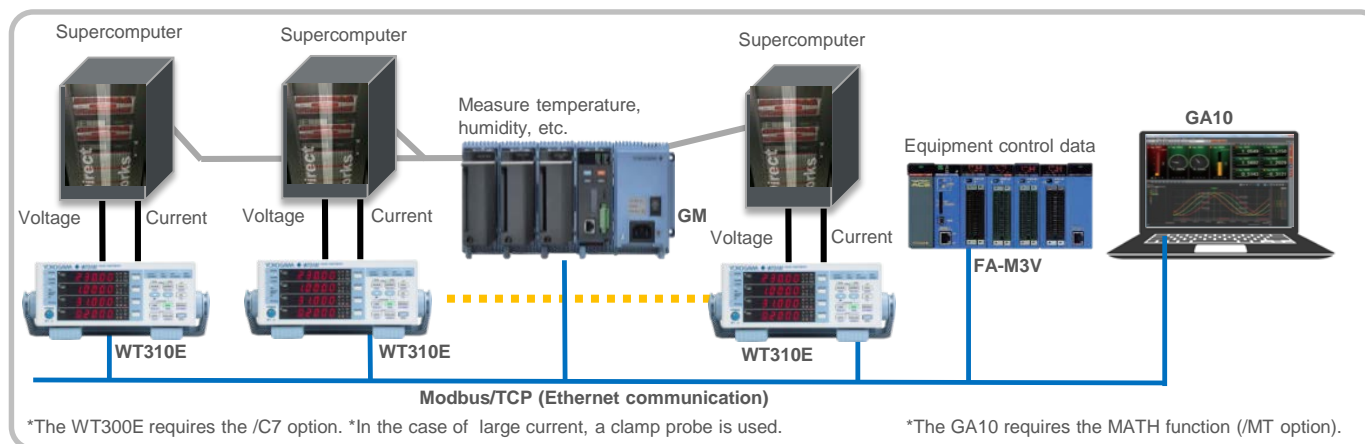


WT300E: Measurement of Total Power Consumption of Supercomputers

Power measurement with multiple units via Modbus/TCP (/C7 option) of the WT300E

A supercomputer is a super high performance computer for large-scale calculation, owned by National labs, Universities, or R&D divisions of large companies. There are rankings that show performance of such computers, e.g. the TOP500 that ranks the highest-speed computer systems of world supercomputers and the Green500 that ranks and evaluates the most energy-efficient supercomputers in the world at regular intervals. Since the Green500 ranks according to the unit “FLOPS per watt”, the measurement performance per watt of power consumption, power measurement (or standard value) is required.

The WT300E Digital Power Meter series measures power consumption with high accuracy and collects data from multiple units.



Major specifications when connected with the GA10 (Overview)

- Max. connectable units: 100
- Max. recording tags (channels): 2000
- Max. recording MATH tags (channels): 200
- Max. connectable clients: Unlimited (verified with 32)
- Scan interval: 100ms or higher (using PC time), or scan interval of instruments (using instrument time)

*Scan interval varies according to connected instruments and the number of connected units. Please ask Yokogawa Electric Corporation for details.