Amidst growing interest in energy efficiency due to global environmental issues, power saving measures for IT devices have begun. Data centers with servers, power supplies (DC or AC), lighting and air conditioning consume large volumes of power. In particular, when the volume of communication data transmitted through servers grows, the increase in power consumption is alarming. The committee, the project, and the group for power saving promotion were established in Japan and throughout the world. They are aiming at the reducing power consumption and the achieving high efficiency.

Our digital power meter WT210 can measure power consumption—the reduction of which is a pressing issue—with extreme precision and help solve global environmental problems through energy efficiency.

### Features

- Provides highly precise measurements of data center power consumption to encourage energy efficient activities.
- Verifies power to reduce energy used. Concurrently measures voltage, current, frequency, and power factor along with power consumption.
- Measures currents up to 20A with direct input. Highly versatile, it can also measure currents from 20A up to several hundred A with a clamp-on probe (current clamp).
- Can verify long term power fluctuations according to changes in the volume of communication data.
- Can collect total power figures based on integral power consumption.
- Compact, lightweight and portable.

### Data Center Overview

![Data Center Overview Diagram](https://www.jase-w.eccj.or.jp/technologies/index.html)

### Basic Concept or Summary

Amidst growing interest in energy efficiency due to global environmental issues, power saving measures for IT devices have begun.

Data centers with servers, power supplies (DC or AC), lighting and air conditioning consume large volumes of power. In particular, when the volume of communication data transmitted through servers grows, the increase in power consumption is alarming. The committee, the project, and the group for power saving promotion were established in Japan and throughout the world. They are aiming at the reducing power consumption and the achieving high efficiency. Our digital power meter WT210 can measure power consumption—the reduction of which is a pressing issue—with extreme precision and help solve global environmental problems through energy efficiency.
The Standard Performance Evaluation Corporation (SPEC), which measures and publishes data on system performance in actual environments, endorses the WT210 as the recommended product for testing IT device performance (power measurement).

The Energy Star System that has garnered recent worldwide attention has issued requirements for PC power measuring devices. The WT210, which can handle high precision and high resolution power measurements, is Energy Star-compliant.

Installation in Practice or Schedule

**Domestic**

This is the entry-class model from Yokogawa Electric, a leader in power meters. Many big appliance manufactures have several WT210s on hand to use in product development, quality assessment and on the production line.

- Major customers include:

**Overseas**

The WT210s is the entry-class model from Yokogawa Electric, a world leader in power meters. Many major foreign appliance manufactures place large orders for the WT210 for use on their production lines. It’s not only compact, but also high quality with a reputation for accuracy, functional capability, and reliability.

- Major customers include:
  Dell, Intel, Hewlett-Packard, Motorola, Sharp, Panasonic, Canon, Toshiba, Electrolux, Whirlpool, Dyson, Xerox, Ushio, Philips, Osram, Samsung, LG, Daewoo, Delta, United Instrument, Maxtech, GE, ABB, Emerson, Kontram, Siemens

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