

Yokogawa Group's Power Measuring Instruments

We offer a wide range of solutions for maintenance, production, design, and R&D.

Classification of Power Measuring Instruments



Choose an appropriate model for your needs.



Yokogawa's Power Measuring Instruments with Excellent Technology and

Reliability Offer a Wide Variety of Solutions for Each Customer's Needs.





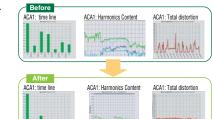
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Case Example at Special Paper Printing Factory

Problem: Periodically the printing machine is having trouble Use CW240's harmonics measurement function and found out

harmonics on power supply line. Harmonics was generated by internal load.



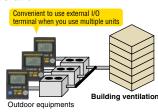


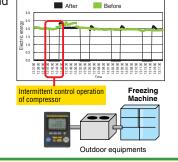
Harmonics measurement

Result: Sharp decrease of relative harmonic content after 5thorder. Distortion rate is less than 30% maximum

Introduction Example: Measure electric energy of Air-conditioning and compressor of Freezing machine to check energy-saving effect

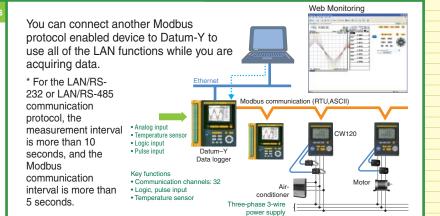
Point: Min data saving interval is 1 second Can be measure electric energy for rise characteristics & Intermittent control operation





For evaluating energy efficiency and environn

valuation of the energy efficiency and environment in plants and building Datum-Y XL120





Clamp-on Tester





Daily control of electric equipment

Digital Multimeter

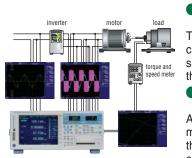


- 3-year warranty high accuracy tester
- 0.02%rdg + 2 dgt maximum measurement accuracy
- Min/Max/Mean Value Display Built-in memory function ■ 1000 V CATIII/600 V CATIV
- TY720 (: (!) us



igh-end Power Analyzer with Best-in-Class Precision





Measurement of Inverter Efficiency

Simultaneous Measurement of Input and Output

The WT3000 offers up to four input elements capable of simultaneous measurement of single-phase input/three-phase output, or three-phase input/three-phase output.

Accurate Measurement of Fundamental PWM Voltage

Accurate measurements of commonly measured values such as active power and the fundamental or harmonic components can be taken simultaneously without changing measuring modes.

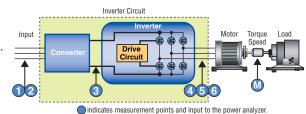
High-performance, Wide-range, and 6 Power Inputs



The WT1800 is capable of performing up to 6 power input measurements to make it possible to perform an inverter efficiency test between the input and output in inverter evaluation.

In addition, a motor evaluation function (option) makes it possible to simultaneously monitor voltage, current, and power changes, as well as rotation speed

(A-, B-, and Zphase) and torque changes.



Measurement of power conditioned and bought for home electronic



The WT500 measures power consumption of "sold power," which supplies photovoltaically generated power to interconnected systems, and "bought power" (purchases of electricity) and simultaneously displays data of bought/sold power, consumed/regenerated energy, and other data for energysaving monitoring.

For recording waveforms over a long time



Operation Check of Emergency Power Generator

Private power generators consist of battery-operated uninterruptible power supplies (UPS), boilers with turbines (cogeneration power plants), and diesel power generators.

All devices are controlled by switching the system from the power station power supply lines. Therefore

it is important to carry out periodic maintenance of the switching system to ensure smooth operation.

- Multi-channel simultaneous measurement 210 mm width A4 thermal printer built-in
- Power frequency measurement
- Abnormal waveform trigger (wave window trigger)
- Network support (Web server, e-mail notification



Accessories for Power Meters

Current clamp-on probe for CW series

Optional data analysis software package AP240E for CW series

Accessories (Current Clamp-on Probe)



*The CW240 does not work without a current clamp-on probe (96030 to 96036). The probe must be purchased separately. *Need to purchase AC adapter separately

Accessories for WT series

Adapters and Cables

Measurement leads

758917

Two leads in a set. Use 758917 in combination with 758922 or Total length: 75 cm Rating: 1000 V, 32 A

758922

Small alligator adapters For connection to measurement leads (758917). Two in a set. Rating: 300 V

758929

Large alligator adapters For connection to measurement leads (758917). Two in a set. Rating: 1000 V

758923

Safety terminal adapter set (spring-hold type) Two adapters in a set.

758931

Safety terminal adapter set Screw-fastened adapters. Two adapters in a set. 1.5 mm Allen wrench included for tightening.

758921

Fork terminal adapter Two adapters (red and black) to a set. Used when attaching banana plug to binding post.













701959

Safety mini-clip set (hook Type) 2 pieces (red and black) in one set. Rating 1000 V











AC/DC Current Sensor CT series CT60/CT200/CT1000

DC to 800 kHz/60 Apk DC to 500 kHz/200 Apk DC to 300 kHz/1000 Apk Basic Accuracy: ±0.05% of reading + 30 μA * Need ±15 Vdc Power Supply



Current Clamp on Probe 751552 AC1000Arms (1400Apeak)

- Measurement frequency range: 30 Hz to 5 kHz $\,$
- Basic accuracy: $\pm 0.3\%$ of reading
- Maximum allowed input: AC 1000 Arms, max 1400 Apk (AC)
- Current output type: 1 mA/A





PR300 A Meter for Power Facility and a Monitor for

- Monitoring Energy Consumption
- Integrates a wide selection of functions for measuring things like energy (active, regenerative, reactive, and apparent), power (active, regenerative, reactive, and apparent), voltage, current, frequency, and power factor into a single unit
- Yokogawa Electric Corporation



(VL)

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