

MONITOUCH PLUS EXPRESS

AC Power Monitor from Fuji Electric Systems Co., Ltd.

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Power Monitoring System (Ver. 2)

There are various advantages by connecting MONITOUCH with AC Power Monitor.

- Measured values (power, voltage, current, and power factor, etc.) of multiple AC power monitors can be displayed all at once.
- Various set values of AC power monitor can be set/changed.
- Measured values of AC power monitor can be logged in a selected period. It is possible to save the collected data in CSV format.

We are measuring the electric power, but...

we are not able to see the improvement of the facility even though we can recognize the power consumption of each facility.

Lack of information



Monitor Power Consumption & Operation of the Facility with MONITOUCH

The power consumption and operating status are "visualized" at a time. Problems associated with the facility can become obvious.

Good

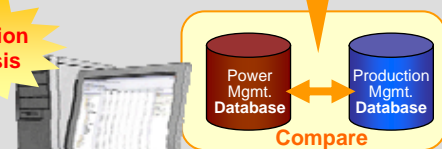


Easy to compare the data!

It is easy to compare the data as power monitoring and operation monitoring can be performed with only one MONITOUCH.

Good

Collection Analysis



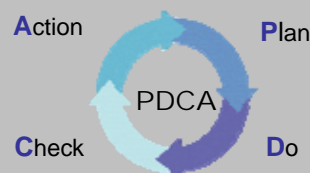
V-Server PC

Office



Facilitate energy saving along with PDCA cycle!

Boost up by Visualization



Usage Status of Power

Ethernet

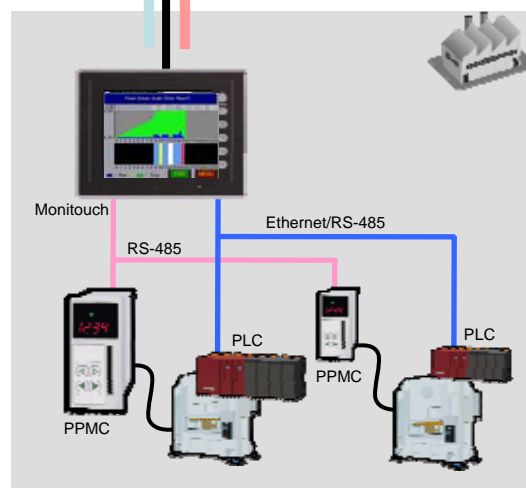
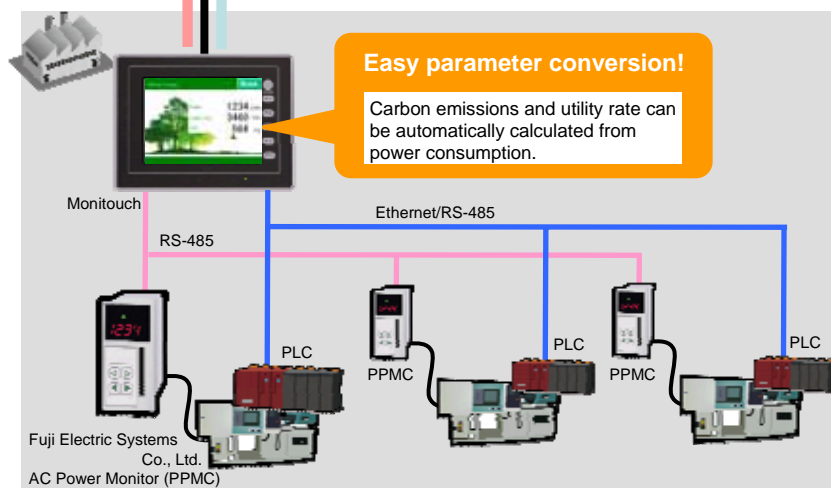
Operation Status of Plant

Plant A

Plant B

Easy parameter conversion!

Carbon emissions and utility rate can be automatically calculated from power consumption.



Power Consumption & Operating Status Monitoring Image

By linking the power consumption and operating status/alarm tracking collected from the power monitor, it will be possible to specify the improvements for energy saving.

Integral power consumption

Operating status

Graph changes according to the operating status.

Pause Run Stop Error Short time breakdown

Operating status can be recognized in one glance.

Power consumption and operating status that may change in temporal sequence can be displayed in graph separately.

For example...

- 1) Operating status of the hour which has the largest power consumption can be checked.
- 2) Details can be checked with alarm tracking when operating status is in error/stop condition.

Power/Operation Monitoring

Power consumption and operating status can be recognized in one glance.

Alarm Tracking

Details can be checked by seeing the alarm tracking.

Analysis of Fault/Stop



Occurrence frequency of the alarm can be checked by the analysis of fault and stop.

*Actual screen image may be different.

Analysis of power usage is demanded for the future mid-and-long term plan.

It is needed to analyze the data of when, where, and in what situation the status of power usage is increasing. By combining with Hakko's operational monitoring (data collection) system, it would be easy to make analysis for the improvements for equipments/facilities as it is possible to easily tie up the operational status of the facility with the power usage.

Free version upgrade of the configuration software V-SFT-5



The configuration software (updated version) can be downloaded from the following website.

Website:

<http://www.hakko-elec.co.jp/en/download/09vsft5/index.html#02>