

Monitoring Irregularities at a Remote Site or Making Periodic Inspections

Ever face these sorts of problems?

On rare occasions, the installed product behaves abnormally!!

Was notified by a customer of the abnormal behavior and rushed to the site. However, because the problem did not reoccur, no measures could be taken.

The equipment is working properly, but must make periodic inspections!!

Want to reduce expenditures in making inspections (labor cost and work cost)

With Yokogawa's OR100E/300E

● Acquire abnormal signals and send the information to the specified FAX

When abnormalities occur, you will be notified at your office. Because the waveform information is sent to you, you will know immediately what happened at the site and prepare the countermeasure. This allows you to take quick countermeasures in times of trouble.

● Automatically measure at certain time intervals, and send the data to FAX

Can automatically measure at specified times (everyday at noon, for example) in parallel with monitoring irregularities. Going on inspection rounds is no longer necessary.

● Need detail info? Get the data over the modem using a PC!!

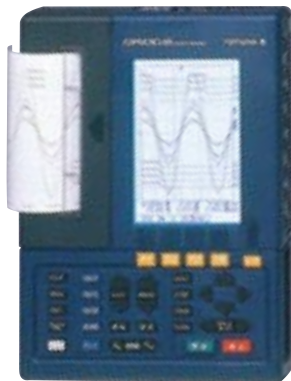
With "ACRAWin32," data from OR100E and OR300E at various locations can be collected. You will be able to control all ORs from one PC.

● Various setting parameters (such as range) can be modified from the PC

In addition, when you wish to change the OR100E's or OR300E's settings at a remote site, you don't have to make a trip to that site. You can change them from the PC using "ACRAWin32."

● Supports four power supplies. Continues measurement during power failure.

If a power failure occurs while running the OR100E/300E from the AC adapter, the OR automatically switches to battery power. It can continuously measure abnormal signals caused by instantaneous power failure.



(The picture shows OR100E)

Main Features

- 4-ch isolated analog inputs. Can input up to 500 Vrms
- A/D resolution : F11 bit, sampling speed 400kS/sec max
- Built-in printer
- **OR300E has harmonic analysis function and RMS measurement**
- Quad mode power supply battery (rechargeable, Alkaline dry cell), AC adapter, DC adapter
- Compact & flat, super lightweight (approx. 1.4 kg)
- Powerful trigger function
 - In addition to the normal triggers, wave window trigger for detecting power irregularities, timeout filter, etc.
- External interface
 - FAX modem
 - Flash ATA memory card
 - Trigger I/O, RS-232

OR100E/300E for Monitoring Irregularities at a Remote Site or Making Periodic Inspections

Monitor irregularities after product installation

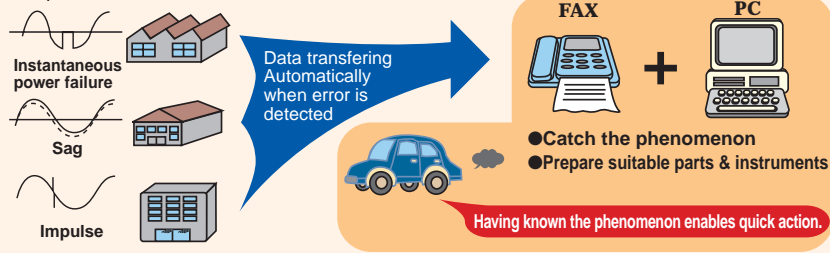
Notification of co-generator trouble, establish a way for quickly resolving problems

Company A: A department that designs, installs, and does maintenance work on co-generator for general customers

(Past) Received notification of trouble from customers and rushed to the sight.

(Problem) The same phenomenon cannot be reproduced, and thus analyzing the problem takes a long time.

(Solution)



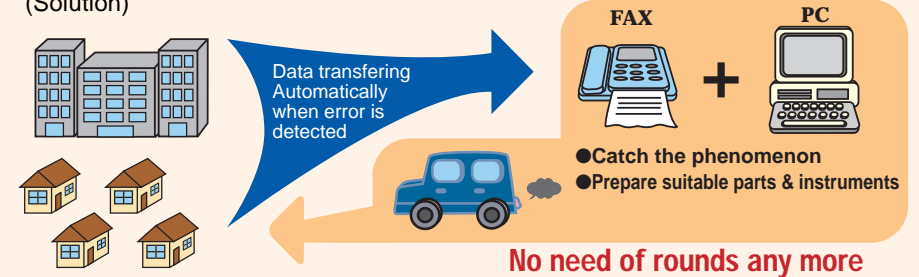
Eliminate making inspection rounds to the customer site

Capture the data and time when the leak current becomes large.

Company C: A department in charge of maintenance work of customer's power facilities
(Past) Recorded the leak current data with a recorder, and made periodic inspection rounds.

(Problem) Customers cover a wide range of area and making rounds is difficult.

(Solution)



Monitor irregularities at a man-less base station (repeater station)

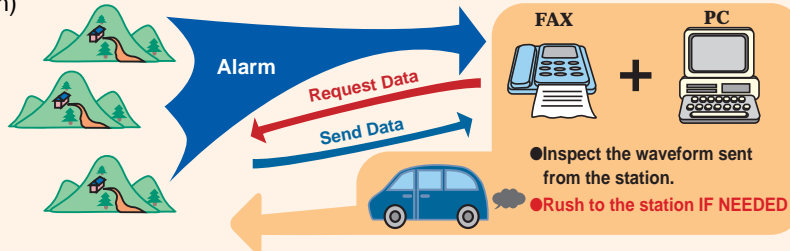
Early grasp of the problem that occurred at a man-less base station located in the mountains

Company B: A department in charge of maintenance work of WAN equipment

(Past) When an alarm located at the company sounded, workers rushed to the site.

(Problem) Access to the site is difficult. Must go to the site to understand the problem.

(Solution)



Eliminate rounds to collect data within its own plant

Measure the waveform of a motor that stops unpredictably from the time it is normally running to the time it stops.

Company D: A department in charge of maintenance work of their own plant.

(Past) Made rounds to check motors scattered about the plant, everyday. (approx. one man hour necessary)

(Problem) Making rounds takes an hour.

(Solution)

