



CLEANROOM

Applicable Area : Equipment / Machines

Application : Monitoring of air supply and ventilation volume to cleanrooms, external atmospheric pressure

- In general, cleanrooms are used for the manufacturing of micron scale components like semiconductors. If abnormalities occur, the production line will be forced to an emergency stop. Cleanroom parameters monitored by the DL8 include the air volume supplied and ventilated to the room, external atmospheric pressure, internal pressure, air supply/ventilation fan operation status, and others.
- By connecting the DL8 to the internal LAN, monitoring is made easier. As well, e-mail notifications can be sent using the in house e-mail server.
- When an abnormality appears in the monitored data, a rapid response is possible through e-mail notifications sent to the in-house facilities manager.
- Hourly report e-mails contain current values for each measurement item, allowing for accurate confirmation of on site status.

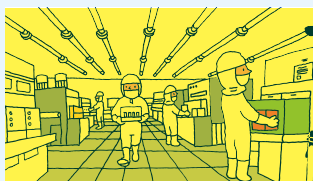


What's the focus?

- Using the user's in-house LAN and e-mail server, a system can be developed economically.
- The current values of various measurement items can be included in the e-mail text, clarifying quickly for the user the on site status of processes as soon as the e-mail is received.
- Trend logging data is stored in an SD card and saved as a CSV file. Its data can be used for daily report management.
- The number of inputs can be expanded by using remote I/O.

Semiconductor plant

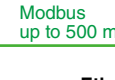
Cleanroom



Ai x 8
(air pressure, external atmospheric pressure, temperature, humidity)
Di x 4
(compressor operation and abnormalities, door open/close etc.)



Remote I/O R5 Series



Modbus
up to 500 m

**Ethernet Communication Adaptor
model: 72EM2-M4**



HUB



Maintenance Personnel

Mail
Smart Phone



ISP

ADSL / Fiber Optics

Facilities Manager

Web Monitoring



In-house LAN

Mail



E-mail Server

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