Application Note Monitoring temperature and humidity as part of a sterilization process.

Customer

The client a world leader in decontamination and sterilisation needed to ensure the correct environment for the Ethylene Oxide (EtO) Preconditioning room for both safety and quality assurance purposes.
Preconditioning is the first part in the sterilisation process. The huge range of products sterilised require a minimum temperature of 22° C and 40% humidity level. The two stage preconditioning process takes approximately 12 hours.

A vast range of products require sterilization: - Medicines, make-up, animal grains, veterinary products to name just a few.

Equipment

DT50
DeLogger™ 4 Pro
PC

Sensors

Humidity
Temperature

Datataker Solution

The data logging system comprises a *dataTaker DT50* data logger, and a workstation running DeLogger™ 4 Pro software. This software is used to program the data logger to collect the required data, temperature and relative humidity data every one-minute from sensors placed in the Ethylene Oxide Preconditioning Room

The *DT50* is collecting and returning the data to the workstation. The returned data is displayed and provides operators with information of conditions in the EtO Preconditioning Room. Whilst keeping the staff informed of the Precondition room's environment, the information is also downloaded and saved for quality assurance purposes. The function of the data logger will continue to be necessary part of this process, alerting staff if there is any malfunction with the conditions required and therefore ensuring safety and minimizing waste.

Please see Part B for a more detailed account of the process.

Other Application Users

Museums, Art Galleries, Food & Pharmaceutical Storage etc

If you need more detail on this application please contact joyce.reid@datataker.com.au

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