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SKAN optaria

The future of H_2O_2 measurement

Are you ready for precision?

What is optaria?

SKAN optaria is a hydrogen peroxide (H_2O_2) sensor, designed specifically for pharmaceutical isolators. The sensor was developed to measure the entire H_2O_2 concentration range needed to decontaminate isolator working chambers, from high to low or even low-low concentrations (0.050 – 1500 ppm).

What can you use optaria for?

- ⟶ You can use optaria to monitor and develop your decontamination cycle: e. g. for qualification/validation, for R & D and process improvement.
- ⟶ You can monitor low concentrations of H_2O_2 during production to increase process safety.

Which options are available?

optaria is available as mobile, standalone version or integrated into the isolator.

How does it work?

- ⟶ Using direct physical contact and continuous absorption spectroscopy, optaria measures the total airborne H_2O_2 concentration in the isolator chamber during and after a decontamination cycle.
- ⟶ The sensor measures even in saturated conditions, which leads to a realistic measurement of vapor and aerosol H_2O_2 mixtures.

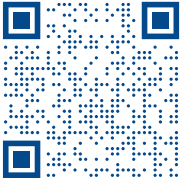
Why optaria?

- ⟶ You can now cover the whole H_2O_2 range using only one sensor
- ⟶ Precise, stable, real-time data increases process transparency
- ⟶ Supports your contamination control strategy (CCS) according to Annex 1
- ⟶ Integrated purging/zeroing channel for simple and automated operation
- ⟶ Easy and compact integration

Technical specifications

- ⟶ Measurement range (FS): 0.05 - 1500 ppm
- ⟶ Response times @ 100 ppm: fall time (t90-t10) ≤ 60 s
- ⟶ Limit of detection (LOD) : ≤ 50 ppb
- ⟶ Accuracy: ≤ ± 5 % of reading

Interested?



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