

DOL 53 ammonia sensor

An award-winning ammonia sensor that can help you earn up to 2,500 EUR extra per batch.



CLIMATE



Dräger

Sensors
DOL 53

DOL 53 ammonia sensor

The award-winning DOL 53 is a sensor specifically designed for continuous measurement of ammonia (NH₃) concentration in livestock houses. High ammonia concentration results in a higher FCR, lower gain and lower welfare.

Would you like to improve livestock welfare & mortality?

Then DOL 53 ammonia sensor is the management tool for your broiler production. If a broiler producer notices that the ammonia level rises at the start of the batch, he can take corrective action in the form of extra ventilation or heat supply. It is also possible to detect any digestion problems. Early action benefits the welfare and productivity of the broilers.

Earn 2,500 EUR extra per batch

An increased concentration of ammonia has a major impact on the financial yield of your broiler production. Research in this area *shows that an increased concentration can cut profits by **2,500 EUR** or more per batch in a livestock house with 25,000 broilers.

Track & control ammonia emissions with DOL 53

DOL 53 features accurate ammonia measurements in both low and high concentrations, negligible cross sensitivity to other gasses. DOL 53:

- is a robust sensor
- calls for zero maintenance
- has a 36 month service life
- has a plug & play replacement
- requires no calibration during service life
- can be mounted inside the livestock house, without any need for tubes or pumps.



Climate sensor



* Atmospheric Ammonia Is Detrimental to the Performance of Modern Commercial Broilers. D. M. Miles, S. L. Branton and B. D. Lott