Enviro Detect (Innotech Vision): Continuous environmental monitoring for livestock buildings

aWISH
ANIMAL WELFARE INDICATORS AT THE SLAUGHTERHOUSE

TASK

Livestock buildings need reliable information on environmental conditions animals experience. Enviro-Detect provides continuous, automated measurements of air temperature, relative humidity, CO_2, NH_3, dust concentrations and ventilation rates, helping users identify changes in air quality and ventilation performance rather than relying on occasional spot checks.

ASSESSMENT

Enviro Detect system actively samples air from livestock buildings and also monitors the outdoor reference air. Its integrated sensors and data system track indoor/outdoor temperature and humidity, gas concentrations and dust levels. The system also calculates ventilation rates, gas emissions and temperature-humidity indices.

Through ADAMS (Automated Data Analysis Management System), measurements can be analysed for trends, emerging problems and management opportunities. The patented approach includes controlled airflow, reference-air purging and remote data handling.

Designed for use in livestock production, including pig, poultry and cattle housing.





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