



# E-MISSION BALL



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MEASURE REAL-TIME FARM EMISSIONS AND  
OPTIMISE YOUR FARM CLIMATE

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# E-MISSION BALL

## GET THE CLIMATE IN YOUR FARM IN PERFECT CONDITION

The E-Mission Ball is an innovative measurement system that measures concentrations of ammonia, CO<sub>2</sub>, temperature, humidity and air pressure every minute.

The E-Mission Ball comes with your own emission dashboard, which provides insight in your farm's emissions. Your annual emission forecast is calculated based on the real-time measurements. Thanks to automatic weekly reports, you easily keep track of climate conditions in your farm. With our app, you can access your data anytime, anywhere.

From the online dashboard, you can export all your data, or for example, get monthly reports by email to share your emission data with your environmental service. Since you are owner of the data, you can choose what to do with it, and who has access.

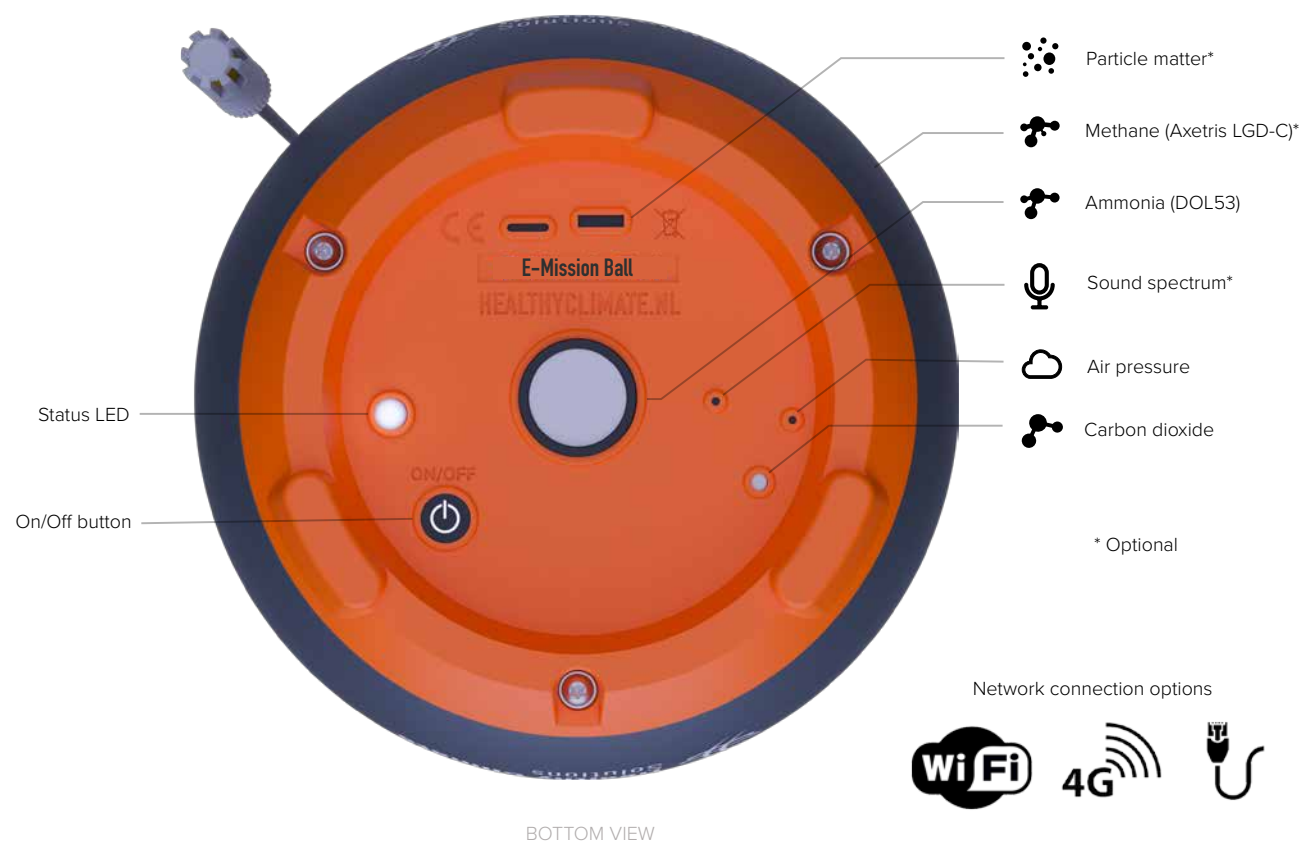
We support you in emission measurements so you can focus on your business operations.

### Healthy Climate Solutions

At Healthy Climate Solutions, we are committed to a healthy climate in farms and a sustainable future for people and animals. Especially for livestock farmers, we have developed the E-Mission Ball to gain insight into farm climate and emissions. It shows you immediately whether you comply with emission target requirements, animal health requirements and legal employment standards.

### Solutions to your challenges:

- Comply with regulations by knowing your emissions
- Improve the health of your animals and your employees
- Easily share your monthly overview with your environmental service.



BOTTOM VIEW



# LIVE DATA APP AND DASHBOARD

REAL-TIME INSIGHT INTO YOUR FARM CLIMATE



The E-Mission Ball's real-time measurements are at your fingertips anytime, anywhere via the Healthy Climate Solutions app. The app is available on your phone, tablet or computer. It gives you instant insight into the data and allows you to perform quick analyses.

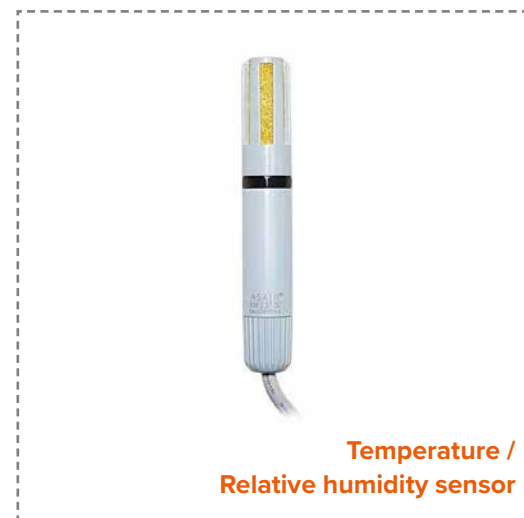
The data are clearly presented in graphs, including limit values per animal species. The emission tab also shows the annual emission forecast compared to your emission ceiling, allowing you to make timely adjustments. You have direct insight into your farm climate 24/7.

### Target requirements permit

Collaborating with environmental services for your target requirements permit is easy because you can share your data in any format and averaging timespan, so you remain in charge of your data.



DOL53/DOL51 ammonia sensor



Temperature / Relative humidity sensor

## SENSORS AND MEASUREMENTS



### Ammonia

Ammonia (NH<sub>3</sub>) is harmful to everyone's health in high concentrations. By measuring with the world's most widely used (DOL53) ammonia sensor, you can calculate emissions, reduce concentrations and greatly improve your farm climate.



### Methane (optional)

Methane (CH<sub>4</sub>) emission measurement is also possible by expanding the E-Mission Ball with the approved Axetris LGD Compact sensor for emission measurements.



### Heat stress

Get direct insight into heat stress through automatic calculation based on relative humidity and temperature. Create the ideal thermocomfort zone through real time insight into measurements and heat stress threshold values per animal species.



### Air pressure

Compare indoor air pressure with outdoor air pressure to see if the ventilation system in the farm is working as expected.



### CO<sub>2</sub>

With our precise digital carbon dioxide (CO<sub>2</sub>) sensor you get a good indication of the ventilation flow. Acting on ventilating within the limits of your animal species improves health for both animals and your employees in your farm.



### Animal health

With the E-Mission Ball, you know your emissions, and ensure an optimally healthy environment for your animals and employees.

# INSTALLATION & MAINTENANCE

## DISCOVER HOW OUR TECHNOLOGY CAN IMPROVE YOUR EFFORTS

Installation of the E-Mission Ball is simple and requires no technical knowledge. The E-Mission Ball can easily be hung in the farm and measurement data is directly available.

- User friendly
- Ready to use immediately
- Low maintenance

With the E-Mission Ball you invest in a healthy, efficient and profitable business operation.

We offer three service packages: the Light package, which includes the minimum options to get started. The Basic package, which provides everything you need to measure quickly, and the full-service package, which assures you of data, service and maintenance. This ensures that your E-Mission Ball remains in optimal condition.

### Light service package

- Use of the app with emission dashboard
- Secure data exchange and storage
- Helpdesk service (WhatsApp)

### Basic service package

- Use of the app with emission dashboard
- Secure data exchange and storage
- Helpdesk service (WhatsApp/phone)
- 4G data connection, weather data

### Full-service package

- Use of the app with emission dashboard
- Secure data exchange and storage
- Helpdesk service (WhatsApp/phone)
- 4G data connection, weather data
- Maintenance and sensor replacement
- Climate consultancy

### The default E-Mission Ball includes

- Internal DOL53 ammonia sensor
- Internal CO<sub>2</sub> sensor
- Internal air pressure sensor
- External temperature and relative humidity sensor on 1m cable
- Low voltage power supply with 30m cable (safe for animals)
- Chain and carabiners for suspension
- Data connection via 4G, Wi-Fi or Ethernet
- Comprehensive manual

Order tomorrow's technology today!

Scan the QR code and complete your quote request.



Ask about our special discounts for purchasing multiple E-Mission Balls and start improving the air quality in your farm right away.





