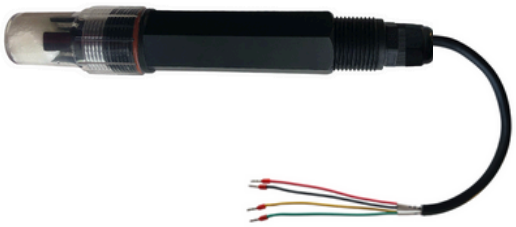
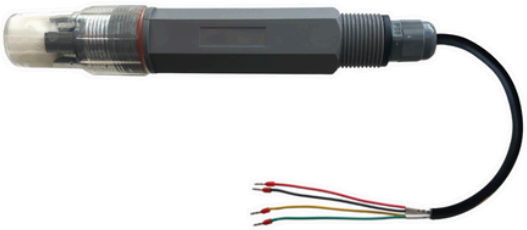
MAXIMUS

Connected Products

MAXIMUS®
An Ingersoll Rand Business



pH Sensor



ORP Sensor



Ultrasonic water meter



Scales (Perch, Bird, Turkey)

pH SENSOR

Water Quality Control

Product number: 105-00053

MAXIMUS®
An Ingersoll Rand Business

The pH sensor is a precision tool for measuring the alkalinity or acidity of water.

Connected to the MAXIMUS controller, this probe enables continuous monitoring of pH values to proactively manage water quality for animal welfare.



Features

- High precision and reliability
- Easy to install and use
- Instant reading
- Excellent stability
- 1-year warranty

For All Types of Livestock

Poor water quality can have a significant influence on your animals' performance, and spot tests with test strips do not detect pH variations in real time.

In fact, to guarantee quality water, pH and ORP (oxidation-reduction potential) levels are two important variables to monitor throughout the farming process, as the pH probe measurement helps determine the effectiveness of the chlorine, and the ORP probe measurement, whether the chlorine is at the right level to destroy contaminants properly.

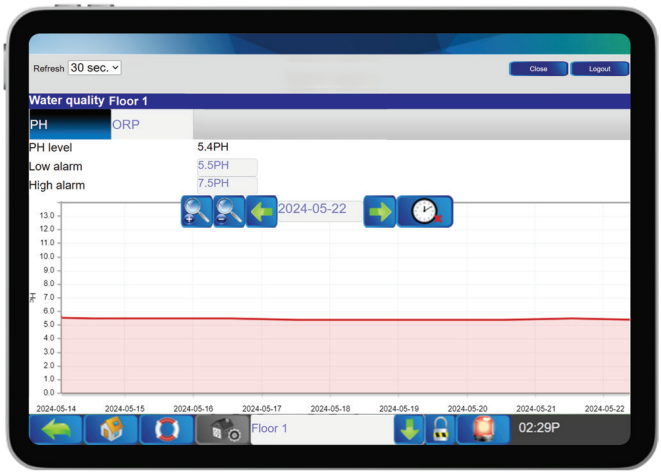
Detecting Anomalies and Sending Alerts

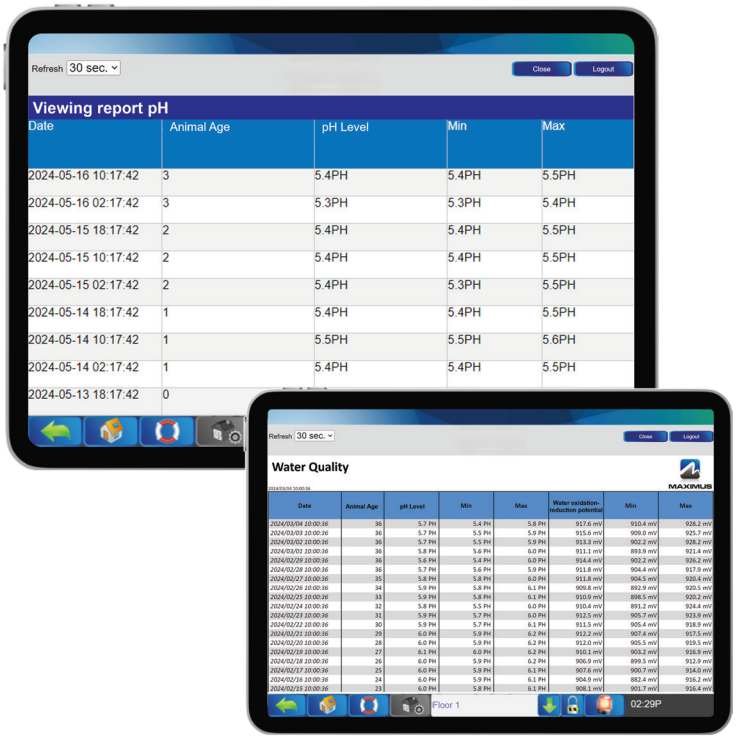
At any time, wherever you are, you can check the pH levels in your water lines and tanks right from your mobile phone.

If abnormal pH levels are detected, an alert is sent so you can react quickly.

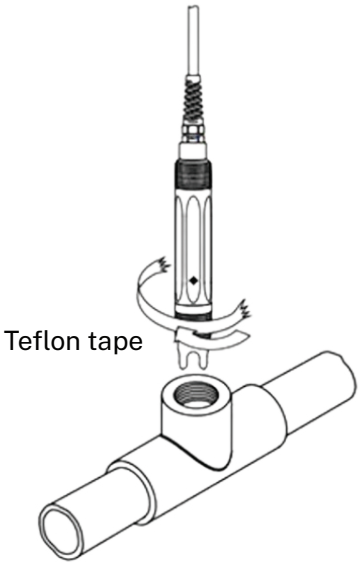
Measurement History

A graph and reports allow you to track your pH measurements over time.





Water line installation (NPT 3/4 thread)



Technical Specifications

Detection range	0 -14 pH
Accuracy	±0,05 pH
Stability	≤0,01 pH/24h
Output Signal	RS485

ORP SENSOR

Water Quality Control

Product number: 105-00054

MAXIMUS®
An Ingersoll Rand Business

The ORP (oxidation-reduction potential) sensor measures redox potential. It indicates the oxidizing power, which is used to assess the overall sanitary quality of the water.

Connected to the MAXIMUS controller, this sensor transmits ORP data, enabling the producer to ensure that the right level is maintained to increase the effectiveness of chlorine in reducing bacteria in the water.



Features

- NPT 3/4 thread at top and bottom
- High precision
- Wide detection range
- Strong and durable
- Simple and convenient operation
- 1-year warranty

For All Types of Livestock

Inadequate water quality can adversely affect digestive health and well-being, as well as growth and productivity. It is therefore essential to ensure that they have access to clean water from an early age.

In fact, to guarantee quality water, pH and ORP levels are two important variables to monitor throughout the farming process, as the pH probe measurement helps determine the effectiveness of the chlorine, and the ORP probe measurement, whether the chlorine is at the right level to destroy contaminants properly.

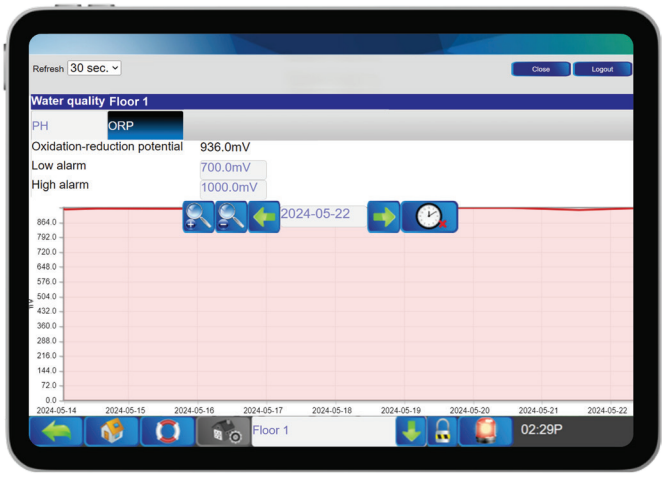
Detecting Anomalies and Sending Alerts

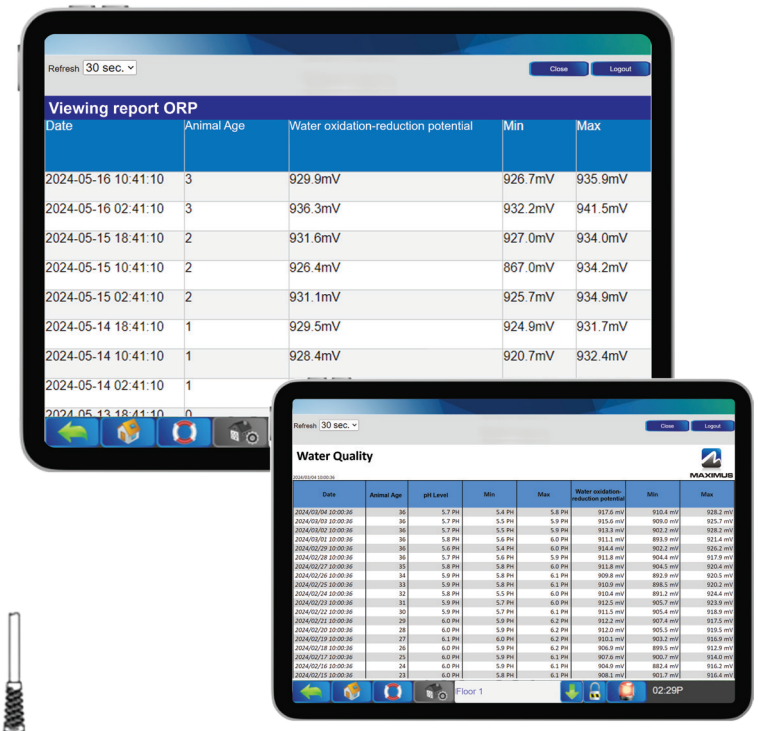
With the MAXIMUS system, measurements are continuously monitored, and alerts are immediately sent out in the event of problems.

This enables you to intervene quickly to correct any situation that could compromise the health of your animals, thus reducing the risk of disease or animal losses.

Measurement History

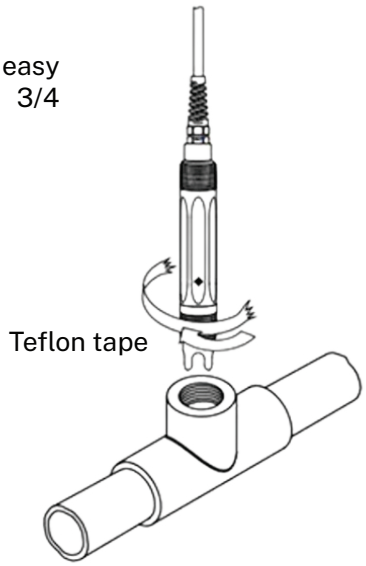
A detailed report of ORP measurements can be accessed and shared at any time.
Graphical display of data over a specific interval provides a clear representation of water quality management.





Water line installation

The robust Ryton body is designed for easy installation on water lines using NPT 3/4 tapered threaded connections.



Technical Specifications

Detection range	-1500 mV to +1500 mV
Accuracy	±0,5 mV
Output signal	RS485
Operating environment	-10 to +80°C (<0,6 MPa)
Stability	≤1%/year
Power consumption	<0,4 W

ULTRASONIC WATER METER

Water Management

Product numbers: 6000-0031 to 6000-0038

MAXIMUS®
An Ingersoll Rand Business

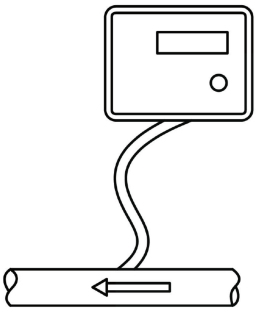
Designed for exceptional measurement accuracy, this water meter provides agricultural producers with a reliable way to track their animals' daily water consumption.

The high precision ultrasonic water meter surpasses the performance of a conventional meter. It quickly identifies changes in water consumption that may signal leaks or other issues in your water supply system.



Features

- Two readings models: liter or gallon
- Pipe diameter available formats: ½ in (DN15), ¾ in (DN20), 1 in (DN25) and 1½ in (DN40)
- Connectors made of brass
- Split installation: Display unit and flow sensor can be installed separately for easier LCD eye reading
- Installation in any position: 360 degrees
- Accurate measurement of flow rate as low as 0.005 m^3/h
- Protection class: IP68
- Power supply: 12 VDC
- Environmental Class: E1, M1
- Suitable for outdoor installation
- Adapters included



Remote display meter for easier reading

Benefits

No moving parts

- Prevents dirt and debris from clogging the meter.
- Eliminates mechanical wear and long term abrasion.
- Reduces maintenance and extends service life.
- Maintains accuracy even in harsh water conditions.

Long lasting, reliable performance

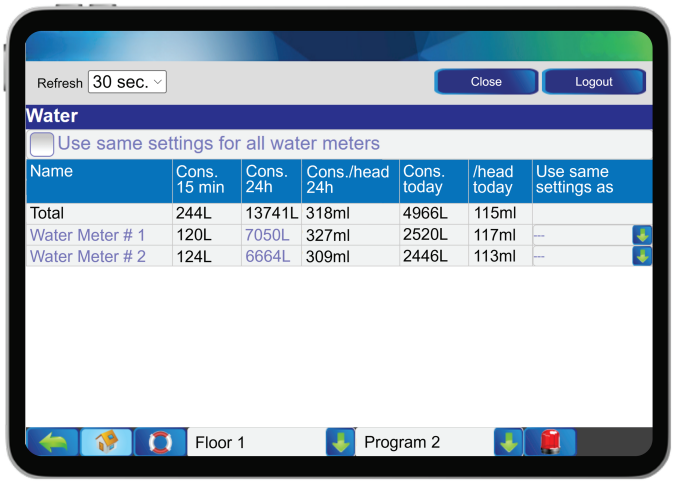
- Solid state design ensures consistent precision over years of use.
- Ideal for demanding farm and livestock environments.

info-maximus@maximus-solution.com ■ 1 877 445-6556 ■ maximus-solution.com

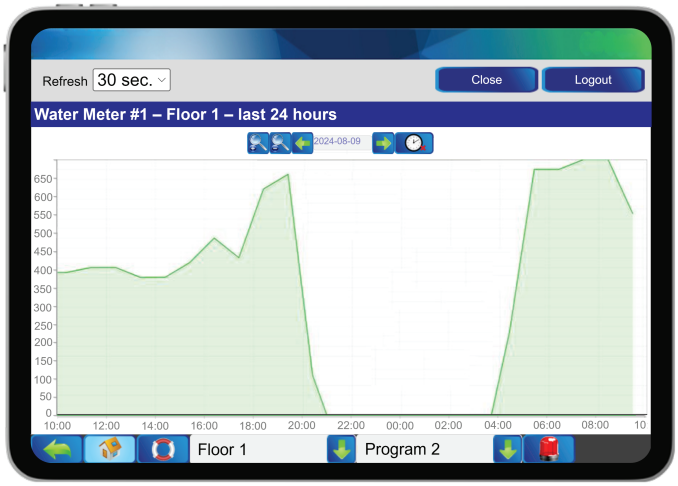
Consumption Information

When connected to the MAXIMUS controller, the ultrasonic water meter records real-time data to support confident production management.

This screen displays various consumption values for each of the water meters monitoring the consumption of 20,000 birds.



This graph shows the bird water consumption in the last 24 hours. The downward slope corresponds to the moment when the lights were turned off, while the upward slope corresponds to the moment when the lights were turned on.



Why Choose the MAXIMUS Ultrasonic Water Meter?

Leak Detection

The MAXIMUS ultrasonic water meter quickly identifies unexpected increases in water usage helping you detect leaks or equipment issues. This advanced technology reduces water loss and supports efficient farm operation.

Livestock and Poultry Health Tracking

As a livestock water meter, the solution provides monitoring of your animals' daily water consumption. Sudden changes in usage can indicate stress or illness. This way, it allows you to act quickly to protect the health of your flock or herd.

Efficient Water Usage

By leveraging accurate data from your water monitoring system, you can optimize water distribution across barns or greenhouses. This ensures that every animal gets the right amount of water, improving performance, reducing costs, and avoiding waste.

Available Products

Liters

Product Number	Pipe Diameter	Minimal Flow Rate Q1 (m^3/h)	Nominal Flow Rate Q3 (m^3/h)
6000-0031	DN15	0.010	2.5
6000-0032	DN20	0.016	4.0
6000-0033	DN25	0.025	6.3
6000-0034	DN40	0.064	16.0

Gallons

Product Number	Pipe Diameter	Minimal Flow Rate Q1 (gal/h)	Nominal Flow Rate Q3 (gal/h)
6000-0035	1/2"	2.64	660
6000-0036	3/4"	4.22	1057
6000-0037	1"	6.60	1664
6000-0038	1½"	16.90	4227

MAXIMUS®
An Ingersoll Rand Business

Connect. Manage. Maximize.

For Birds Hitting Above Their Weight

Maximize the potential of your poultry houses with highly accurate scales!



Connected to the **MAXIMUS Controller**, our scales provide precise real-time weight measurements, which let you effectively manage your flock's development and have a significant impact on your farm's financial success.

Additionally, the controller allows you to input standard curves, streamlining the monitoring of your birds' growth and uniformity.

KEY BENEFITS

- Get trustworthy real-time weighing data based on a large number of weighings.
- Adjust your parameters (e.g., ventilation, light, temperature, feed) against obtained results (uniformity, standard deviation, coefficient of variance) to optimize bird growth and health.
- Monitor feed conversion in real time when combining the scales with MAXIMUS's feed weigher and bin load cells.
- Generate configurable reports for better data-driven decisions.
- Reduce biosecurity risks and avoid animal stress associated with manual weighing – Reduce labor and economic losses.
- Receive alarms if the birds are off from the target weight to quickly detect anomalies and potential diseases.

MAXIMUS Scales

Every scale we offer is designed for exceptional accuracy using high-quality load cells. Designed for compatibility with most systems, they are easy to install (hardware included) and easy to remove during cleaning. All scales come with a one-year warranty*.







Perch Scale

310-00004

- Used in commercial layer and pullet farms (enriched or standard cage systems).
- Made entirely of stainless steel to withstand the worst conditions.
- Capable of weighing birds up to 250 kg (551 lb.)

Bird Scale

310-00001

- Ideal for breeder and broiler production.
- Designed with a 23-inch diameter high-density polyethylene (HDPE) platform to maximize the number of weighing.
- Capable of weighing birds up to 45.3 kg (100 lb.)
- Precise and easy adjustments thanks to its telescopic stainless-steel rod (includes a hand locking mechanism).

Turkey Scale

310-00012

- Designed with a 31 1/4” square high-density polyethylene platform with four stainless steel rods at corners to maximize the number of weighing.
- Capable of weighing birds up to 90.6 kg (200 lb.).

*The warranty applies according to terms and conditions and may be excluded under certain conditions.

maximus-solution.com
1 877 445-6556
info-maximus@maximus-solution.com

MAXIMUS

Increasing your production performance is our goal!

MAXIMUS®
An Ingersoll Rand Business