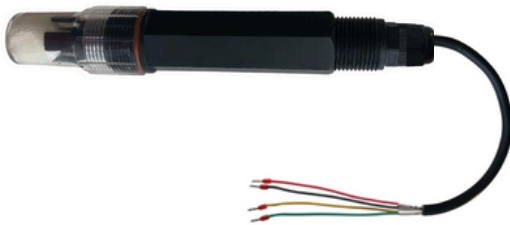
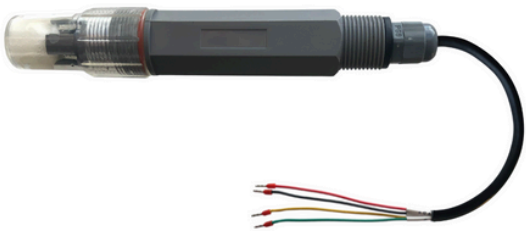


MAXIMUS

Connected Products



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.

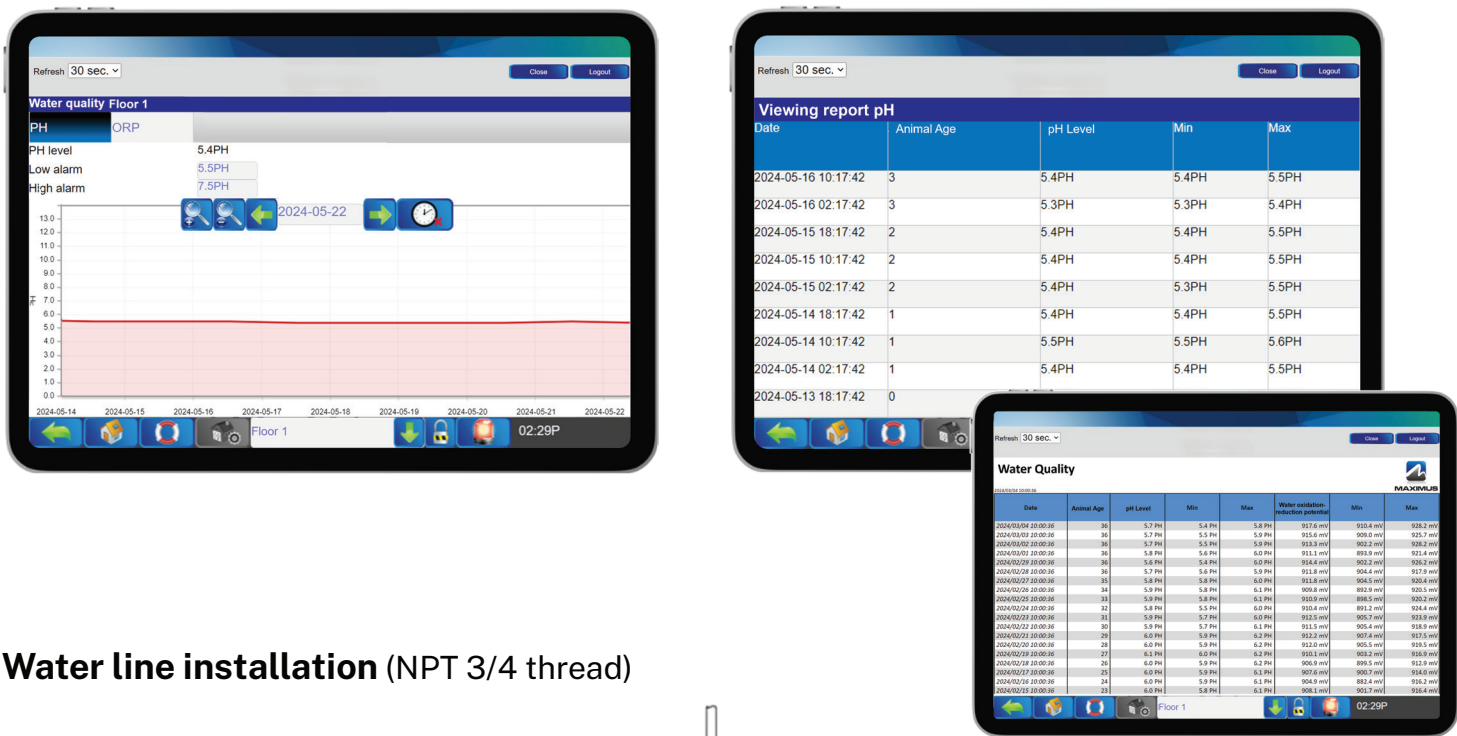
Detecting Anomalies and Sending Alerts

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

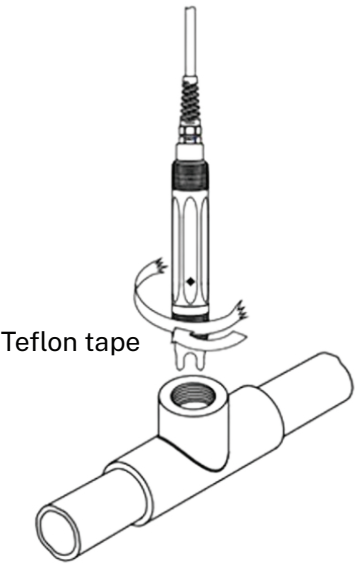
If abnormal pH levels are detected, an alert is sent so you can react quickly.

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.

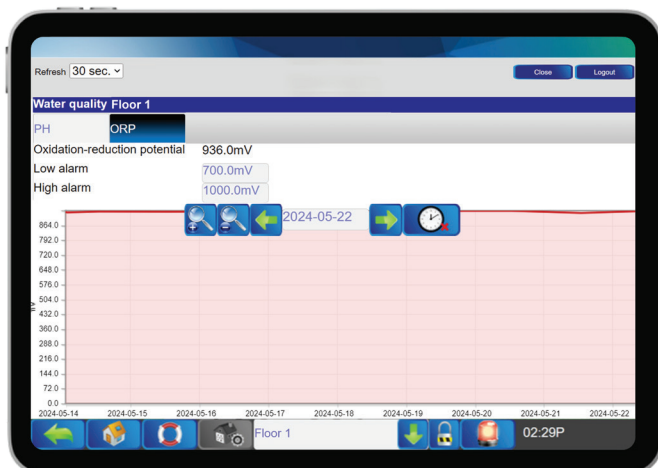
Detecting Anomalies and Sending Alerts

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.



Viewing report ORP

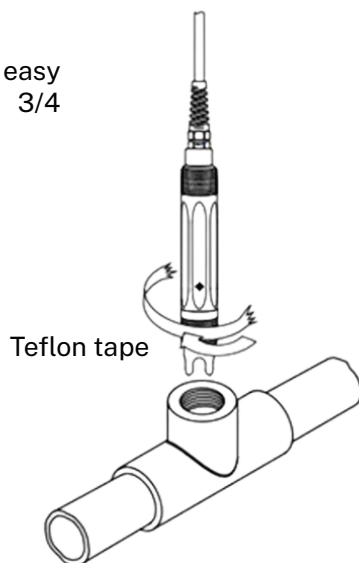
Date	Animal Age	Water oxidation-reduction potential	Min	Max
2024-05-16 10:41:10	3	929.9 mV	926.7 mV	935.9 mV
2024-05-16 02:41:10	3	936.3 mV	932.2 mV	941.5 mV
2024-05-15 18:41:10	2	931.6 mV	927.0 mV	934.0 mV
2024-05-15 10:41:10	2	926.4 mV	867.0 mV	934.2 mV
2024-05-15 02:41:10	2	931.1 mV	925.7 mV	934.9 mV
2024-05-14 18:41:10	1	929.5 mV	924.9 mV	931.7 mV
2024-05-14 10:41:10	1	928.4 mV	920.7 mV	932.4 mV
2024-05-13 18:41:10	0			

Water Quality

Date	Animal Age	pH Level	Min	Max	Water oxidation-reduction potential	Min	Max
2024/05/16 10:00:36	36	5.7 PH	5.4 PH	5.8 PH	917.6 mV	910.4 mV	928.2 mV
2024/05/16 10:00:36	36	5.7 PH	5.3 PH	5.9 PH	915.6 mV	909.0 mV	925.7 mV
2024/05/16 10:00:36	36	5.7 PH	5.3 PH	5.9 PH	913.3 mV	902.3 mV	928.2 mV
2024/05/16 10:00:36	36	5.8 PH	5.4 PH	6.0 PH	911.1 mV	893.3 mV	921.4 mV
2024/05/16 10:00:36	36	5.6 PH	5.4 PH	6.0 PH	914.4 mV	902.2 mV	926.2 mV
2024/05/16 10:00:36	36	5.7 PH	5.4 PH	5.9 PH	911.8 mV	904.4 mV	917.8 mV
2024/05/16 10:00:36	35	5.8 PH	5.8 PH	6.0 PH	913.8 mV	904.5 mV	920.4 mV
2024/05/16 10:00:36	34	5.9 PH	5.8 PH	6.1 PH	909.9 mV	902.3 mV	920.5 mV
2024/05/16 10:00:36	33	5.9 PH	5.8 PH	6.1 PH	909.9 mV	898.5 mV	920.2 mV
2024/05/16 10:00:36	32	5.8 PH	5.5 PH	6.0 PH	910.4 mV	891.2 mV	924.4 mV
2024/05/16 10:00:36	31	5.8 PH	5.5 PH	6.0 PH	912.5 mV	905.7 mV	923.8 mV
2024/05/16 10:00:36	30	5.9 PH	5.7 PH	6.1 PH	911.5 mV	905.4 mV	928.9 mV
2024/05/16 10:00:36	29	6.0 PH	5.8 PH	6.2 PH	912.2 mV	907.4 mV	923.3 mV
2024/05/16 10:00:36	28	6.0 PH	5.9 PH	6.2 PH	912.0 mV	905.3 mV	923.5 mV
2024/05/16 10:00:36	27	6.1 PH	6.0 PH	6.2 PH	910.3 mV	903.2 mV	918.8 mV
2024/05/16 10:00:36	26	6.0 PH	5.9 PH	6.2 PH	909.8 mV	899.3 mV	913.8 mV
2024/05/16 10:00:36	25	6.0 PH	5.9 PH	6.2 PH	907.6 mV	900.2 mV	916.0 mV
2024/05/16 10:00:36	24	6.0 PH	5.9 PH	6.1 PH	904.9 mV	892.4 mV	916.2 mV
2024/05/16 10:00:36	23	6.0 PH	5.8 PH	6.1 PH	908.1 mV	901.7 mV	916.4 mV

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 Control

Product number: 102-00023 to 102-00030



MAXIMUS
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Designed to offer outstanding accuracy, this device is the perfect tool for agricultural producers who want to accurately monitor their animals' water consumption.

The ultrasonic water meter surpasses the performance of conventional meters by detecting fluctuating water consumption caused by leaks or other problems in the water supply system.



Features

- Readings: liters or gallons
- Available formats: ½ in (DN15), ¾ in (DN20), 1 in (DN25) and 1½ in (DN40)
- Water resistance: IP65/IP68
- Power supply: 12 VDC
- Flexible installation: horizontally or vertically
- Adapters included

Benefits

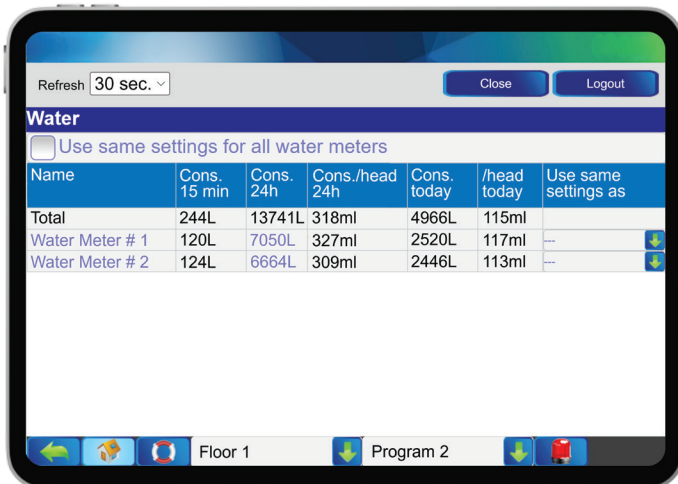
- No moving parts
 - Prevents dirt build-up that can block the mechanism and false readings.
 - Limits long-term abrasion of mechanical parts.
- Built in durable polyphthalamide (PPA) composite material and fiber glass.

Consumption Information

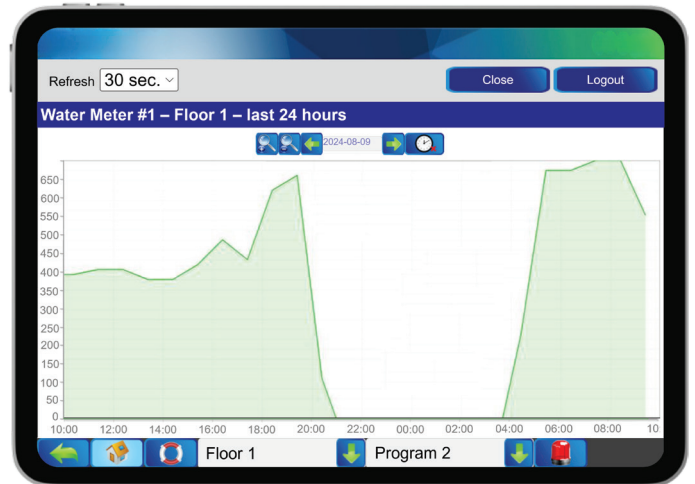
When connected to the MAXIMUS controller, the ultrasonic water meter stands out for its ability to provide detailed data that are essential to the management of your production.

Examples:

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 shows when the lights went out, while the upward slope shows when the lights came on.



Why choose the MAXIMUS ultrasonic water meter?

- **Leak Detection:** Quickly address any unusual increase in water consumption that could indicate a leak.
- **Animal Health Tracking:** Closely monitor the water consumption of your animals. Sudden changes could flag health issues, allowing for prompt action to maintain your livestock's well-being.
- **Efficient Water Use:** Analyze your data to optimize water distribution throughout your farm, ensuring each animal gets the right amount of water without any waste.

Available Products

Liters (1 pulse/liter)

Product Code	Format	Minimum volume required for a reading
102-00023	1/2"	16 l/hour
102-00025	3/4"	25 l/hour
102-00027	1"	39 l/hour
102-00029	1 1/2"	32 l/hour

Gallons (1 pulse/gallon)

Product Code	Format	Minimum volume required for a reading
102-00024	1/2"	4.2 gal/hour
102-00026	3/4"	6.6 gal/hour
102-00028	1"	10.3 gal/hour
102-00030	1 1/2"	8.4 gal/hour

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.

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MAXIMUS

Increasing your production
performance is our goal!

