

# DEMETER

**NEW GENERATION OF FISH  
FEEDING SYSTEMS**

# WELCOME TO DEMETER

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Demeter.LV Provides An AI-Driven Aquaculture Platform Powered By IoT-Enabled Intelligent Fish Feeders And An Integrated Sensor Network. Our Platform Optimizes Feeding Practices, Monitors Fish Health, And Manages Tank Conditions In Real Time, Ensuring Operational Efficiency, Resource Savings, And Sustainability.

Demeter.LV Helps Fish Farmers To Achieve:

**Higher Efficiency:**

Streamlined Feeding And Monitoring Processes Save Time And Resources.

**Improved Fish Health:**

Optimized Feeding And Real-Time Monitoring Reduce Fish Health Issues.

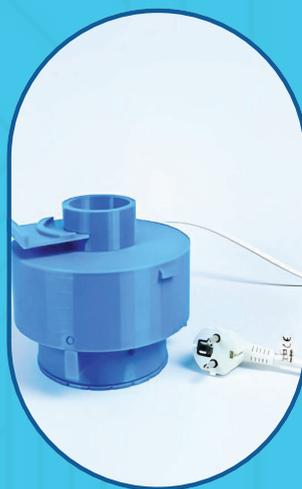
**Environmental Sustainability:**

Minimizing Waste And Resource Competition While Ensuring Sustainable Aquaculture Practices.



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# 01

Available add-ons for this model

① ② ④ ⑥

## Fish growth AquaTouch Feeder

Price

€ 200

**Hopper capacity:** 7 liters.

**Feed delivery type:** pendulum system.

**Materials:** durable plastic, resistant to water and UV rays.

**Dosage adjustment:** by rotating the washer you can adjust the sensitivity of the pendulum and the feed dosage.

**Feed particle size:** range (for example, from 0.5 to 10 mm).

**Installation type:** suspended, stationary.



### Advantages:

**Saves feed:** dosing only when needed.

**Ease of use:** installation and maintenance without special tools.

**Increased fish growth:** regular feeding reduces stress.

**Environmentally friendly:** minimizes feed residues in the water.

**Does not require electricity and the Internet.**

### Practical application:

Suitable for growing carp, trout, sturgeon, catfish and other species.

Can be used as the main feeding tool or backup on farms with automation.

Ideal for the initial stage of feeding fry.

### Application options:

**Ponds:** natural and artificial reservoirs.

**Small farms:** private farms or pilot projects.

**Fish farms:** additional devices for auxiliary feeding.

### Recommendations for use:

**Installation in ponds:** fix on a bridge or near the shore for easy access.

**In farms:** mount on the edge of the pool for ease of maintenance.

**Dosage:** set depending on the type and age of the fish.

# 02

Available add-ons for this model



## Fish growth SmartFeed Pro

Price

€ 280

**Hopper capacity:** 7 liters.

**Feed delivery type:** electronic dispenser.

**Connection:** Wi-Fi for remote control.

**Dosage adjustment:** by rotating the washer you can adjust the sensitivity of the pendulum and the feed dosage.

**Feed particle size:** granules with a diameter of 1-6 mm.

**Installation type:** suspended, stationary.

**Power requirements:** connection to the mains (220 V).

**Control:** via a mobile application and/or demeter.lv private administration panel.

### Advantages:

**1. Convenience of remote control:** setting up the dosage and feeding schedule via smartphone.

**2. Dosage accuracy:** preventing overfeeding or underfeeding.

**3. Support for regular feeding:** creating a stable schedule, which reduces stress in fish.

**4. Data mobility:** the ability to control from anywhere with Internet access.

### Practical application:

Suitable for feeding trout, carp, catfish, sturgeon and other fish species.

Used to ensure precise feeding based on set standards.

Can be part of a "smart farm" system.

### Use cases:

Modern fish farms: for automated feeding.

Ponds with hard-to-reach areas: convenient remote control.

Private farms: for hobbyists who prefer technology.

### Recommendations for use:

**Connection:** Provide a stable Wi-Fi signal and moisture protection for electronics.

**Setup:** Set standards and schedules in the app.

**Maintenance:** Clean the hopper and dispenser to prevent blockages and mold.

# 03

Available add-ons for this model

6

## Fish growth FlexiFeed Mini

Price

€ 250



**No built-in hopper:** compatible with containers such as 5-liter water bottles.

**Feed delivery type:** electronic dispenser.

**Connection:** Wi-Fi for remote control.

**Dosage adjustment:** by rotating the washer you can adjust the sensitivity of the pendulum and the feed dosage.

**Feed particle size:** granules with a diameter of 1-6 mm.

**Installation type:** suspended, stationary.

**Power requirements:** connection to the mains (220 V).

**Control:** via a mobile application and/or demeter.lv private administration panel.

### Advantages:

**Small size:** easy to transport and install in a limited space.

**Flexible use:** adaptable to various containers.

**Remote control:** schedule and dosage settings via smartphone.

**Cost-effective:** simplified design reduces costs.

### Practical application:

Used to feed various types of fish, including carp, trout and catfish.

Easy connection and the ability to use improvised containers.

Convenient feeding control via the app.

### Application options:

**Small fish farms:** an economical solution for automated feeding.

**Ponds with small feeding areas:** easy to install due to its compact size.

**Private aquariums or mini-farms:** ideal for users who value compactness.

### Recommendations for use:

**Selection of container:** use clean plastic bottles or similar containers.

**Installation:** fix the feeder and container on a stable surface.

**Settings:** set feeding rates and schedule via the app.

**Maintenance:** clean the dispenser and change the container as needed..

# 04



## Fish growth MegaHopper 190 (Stand included)

Price

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€ 1,200

**Hopper capacity:** 190 liters.

**Feed delivery type:** electronic dispenser.

**Connection:** Wi-Fi for remote control.

**Dosage adjustment:** by rotating the washer you can adjust the sensitivity of the pendulum and the feed dosage.

**Feed particle size:** granules with a diameter of 1-6 mm.

**Installation type:** suspended, stationary.

**Power requirements:** connection to the mains (220 V).

**Control:** via a mobile application and/or demeter.lv private administration panel.

### Advantages:

**1. Convenience of remote control:** setting up the dosage and feeding schedule via smartphone.

**2. Dosage accuracy:** preventing overfeeding or underfeeding.

**3. Support for regular feeding:** creating a stable schedule, which reduces stress in fish.

**4. Data mobility:** the ability to control from anywhere with Internet access.

### Practical application:

Suitable for feeding trout, carp, catfish, sturgeon and other fish species.

Used to ensure precise feeding based on set standards.

Can be part of a "smart farm" system.

### Use cases:

Modern fish farms: for automated feeding.

Ponds with hard-to-reach areas: convenient remote control.

Private farms: for hobbyists who prefer technology.

### Recommendations for use:

**Connection:** Provide a stable Wi-Fi signal and moisture protection for electronics.

**Setup:** Set standards and schedules in the app.

**Maintenance:** Clean the hopper and dispenser to prevent blockages and mold.

# 05



The height-adjustable holder for the large feeder adds significant practical advantages:

1. **Optimal Positioning:** Adjusting the height ensures the feeder is always above the tank edge, facilitating efficient feed delivery.
2. **Inward Rotation:** Allows precise feed placement directly into the tank, minimizing waste.
3. **Outward Rotation:** Simplifies access for cleaning, refilling, and general maintenance without the need to remove the feeder.
4. **Ease of Operation:** Enhances flexibility and user convenience, particularly in environments with varied tank heights or setups.

The detachable base of the large feeder holder provides practical versatility:

1. **Direct Ground Installation:** The holder can be driven into the soil for quick and stable setup in outdoor environments.
2. **Concrete Embedding:** Offers a permanent and robust solution for securing the holder in aquaculture facilities.
3. **Bolt-Mounted Flexibility:** With the metal base attached, the holder can be bolted to a concrete or metal floor, ensuring stability while allowing easy repositioning or removal if needed.

The ability to rotate the large feeder around both the horizontal and vertical axes offers several practical advantages:

1. **Ease of Maintenance:** Tilting the hopper allows for quick and thorough cleaning or emptying of leftover feed.
2. **Feed Adjustment:** Enables precise positioning of the hopper to optimize feed distribution.
3. **Versatility:** Allows adjustments to accommodate different environmental conditions or changes in feeding zones.
4. **Convenience:** Simplifies the process of refilling, relocating, or securing the feeder without the need for complete disassembly.

# 06

1

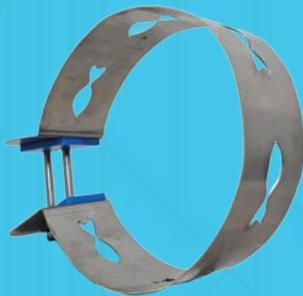
## Secure Mount ring

A metallic ring designed to attach feeders securely to the Adjustable Metal Holder.

**Usage:** Ensures stability and proper alignment of the feeder on the holder.

**Features:** Sturdy and corrosion-resistant, compatible with all feeder models using the Adjustable Metal Holder (4).

€ 30



2

## Stainless Steel Anchor Pipe

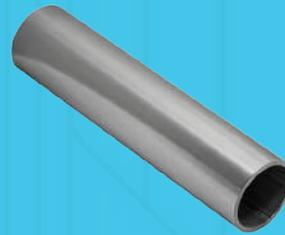
A round stainless steel pipe designed to be driven into the riverbank for securely mounting feeders.

**Usage:** Acts as a stable base for attaching feeders using the Adjustable Metal Holder (4) and SecureMount Ring. (1)

**Features:** Durable stainless steel construction, resistant to corrosion, and suitable for long-term use in aquatic environments.

Length: 1 meter

€ 50



3

## HydroTemp Sensor

A water temperature sensor with a 1-meter cable that can be submerged in water from the feeder.

**Usage:** Enables real-time temperature monitoring through a mobile app, helping to optimize feeding rates based on water temperature.

**Features:** Seamless integration with feeders, durable waterproof design, and remote data access via the internet.

€ 30



4

## Adjustable Metal Holder

Two variations of metal holders, available in different lengths, designed to support feeders.

**Usage:** Equipped with a round plastic cylinder, the holder fits securely into a round pipe embedded on a pond's riverbank.

**Features:** Durable construction, adaptable lengths for various setups, and easy installation for stability and feeder alignment.

€ 80

200mm extension (Example 1 and 2)

€ 100

1000mm extension (Example 3 and 4)



5

## EnviroSense Module

A sensor add-on for feeders that measures air temperature and humidity.

**Usage:** Ideal for monitoring environmental conditions to optimize feeding schedules and fish well-being.

**Features:** Easy integration with existing feeders, providing real-time data for improved farm management.

€ 30



6

## Color

The color of certain components within this setup is customizable. Please contact us directly to discuss your specific requirements and explore personalized solutions.



Example Nr. 1



Example Nr. 2



Example Nr. 3



Example Nr. 4

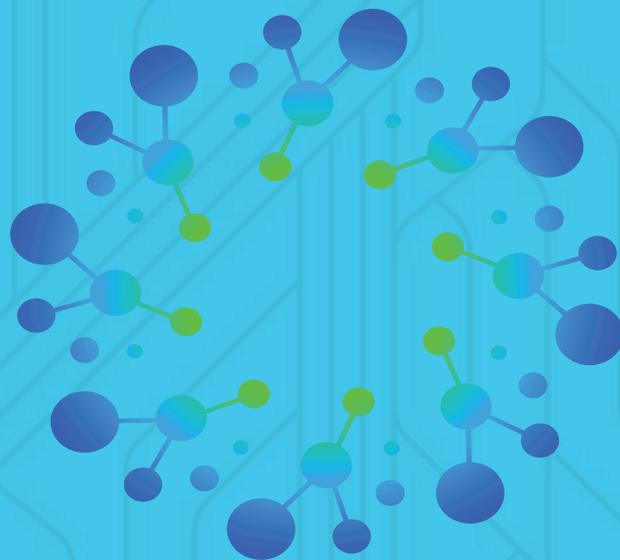
The traditional fish farming industry, particularly in net pens and flow-through systems, faces significant environmental and operational challenges. These include water contamination from uneaten food and fish waste, ecosystem disruptions caused by escaped farmed fish, and competition for limited freshwater resources. Additionally, current feeding practices are inefficient: overfeeding and underfeeding lead to fish health issues and water pollution, while manual feeding remains inconsistent and time-consuming. Compounding these challenges is the lack of real-time, accessible data to monitor fish health, water quality, and tank conditions, which obstructs operational efficiency and sustainability.

**User Feedback:** My recent experience with the electronic fish feeder installed by Demeter has been positive. The device was easy to set up and user-friendly, allowing precise scheduling of feeding times and portions. Thanks to its automated operation, the time needed for fish pond maintenance has been significantly reduced. The feeder runs quietly and reliably, consistently providing food for the fish even when away from home for extended periods. Demeter offers a quality product and professional installation, along with thorough customer support.

**Challenges Addressed:** Continuously feed fish while not being home.

**User Feedback:** Our experience with the electronic fish feeder has significantly streamlined the management of our pond. Instead of daily maintenance, we now only need to refill the food bunker once a week, as the feeder autonomously handles the feeding process. With guidance from Demeter, we were able to determine the optimal feed portions and intervals for our fish, ensuring their well-being. Additionally, the system setup was straightforward, and although Demeter provided excellent support, it was easy enough for us to manage independently."

**Challenges Addressed:** To not to take care of fish feeding on daily basis and focus on business.



# DEMETER

## TERMS & CONDITIONS

COLOURS USED IN THE CATALOGUE ARE INDICATORY, PLEASE REFER TO THE PHYSICAL SAMPLE FOR MORE CLARITY | COLOURS MAY VARY FROM BATCH TO BATCH

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