WHAT IS IT?

AMR PEMCO's FISH-NET Monitoring System is an outdoor monitoring platform, which determines Dissolved Oxygen (DO) content and temperature levels in ponds, lakes, tanks, or other bodies of fresh and salt water. Capable of monitoring either a single body of water, or two (2) simultaneously, each FISH-NET Control Unit utilizes real-time DO and temperature data to control up to eight (8) outputs for aerators.

Employing wireless communications between the floating buoy(s) and the nearby Control Unit, FISH-NET provides for easy and flexible installations and reliable communications. The Control Unit further offers wireless communications to our unique FISH-NET Software and Master Station. Located at the home or office, the Master Station allows users to remotely view the status of multiple ponds, store data for historical records or trending reports, and receive SMS or email alarm notifications, should values exceed the user-defined set points.

Simply put, whether you own a small, medium, or large aquaculture operation, FISH-NET will reduce operating costs, improve efficiency, and help maintain your ponds and fish.

FEATURES AND BENEFITS

FN-2002 Controller

- Local and remote DO monitoring with aerator control
- Large, touch screen, display for easy viewing in sunlight or from several feet away
- Aerator status and important information available at the controller
- Monitor up to two (2) ponds with one controller and two (2) buoys
- Two (2) temperature sensors, ambient air and water, for improved accuracy and DO calibrations
- DO sensor is mounted above the water for extended life
- Single water sample pump with adjustable time rate (10 Minute Default)
- Dual radios for controller-to-buoy and controller-to-master communications
- Two aeration set points for customized schedules (Day, Night, etc.)
- Sunshield included for improved display visibility
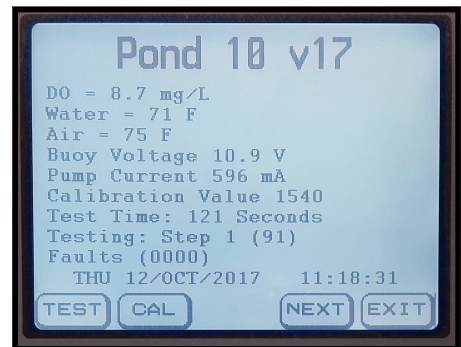- Optional battery backup for controller and buoys

Applications Include

- Catfish Farms
- Tilapia Farms
- Shrimp Farms
- Recreational Lakes
- Family Farms
- Treatment Plants
- Industrial Facilities

FN-2001 Buoy

Touch Screen with Keypad
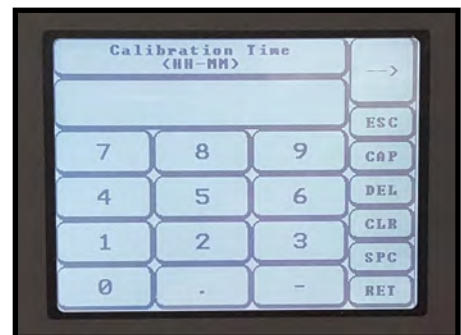
SPECIFICATIONS	
Controller Enclosure	NEMA 3R, Powder Coated Steel
Controller Rating	NEMA 4 for harsh environments
Source Voltage	120 VAC
Operating Voltage	12 VDC
Operating Temp	-20 to 70 C
Controller Dimensions	16" W x 20" H x 8"D (40.64 cm x 50.8 cm x 20.32 cm)
Display	1/4 VGA display (320 x 240 pixels) 4096 × 4096 analog touch screen
Standard Feature	Display Sunshield
Keypad	9-key with on/off white LED backlight
Radio Frequency	900 MHz
Input Signals	(2) Water Buoys with DO Sensors
Outputs	(8) for Aerator Motors or other equipment
Lightning Protection	YES
Warranty	12 months
Options	Battery backup for controller and buoys 3-phase power monitor relay Current Transducers (CT's) for Aerators

Pond Detail Screen

Virtual Keypad

AMR PEMCO

PROVEN PARTNER IN TECHNOLOGY

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