

# EMM 350 Pisces Platform

PONTOON FOR IN-SITU CHARACTERIZATION OF ENVIRONMENTAL SYSTEMS

The PISCES is a lightweight pontoon platform which supports water quality, water velocity, and meteorological sensors as well as computer logging systems. The platform holds two topside aluminum chests that house the data acquisition system, cellular modem, and battery. The chests are easily serviceable from the water and accommodate multiple underwater cable connections.

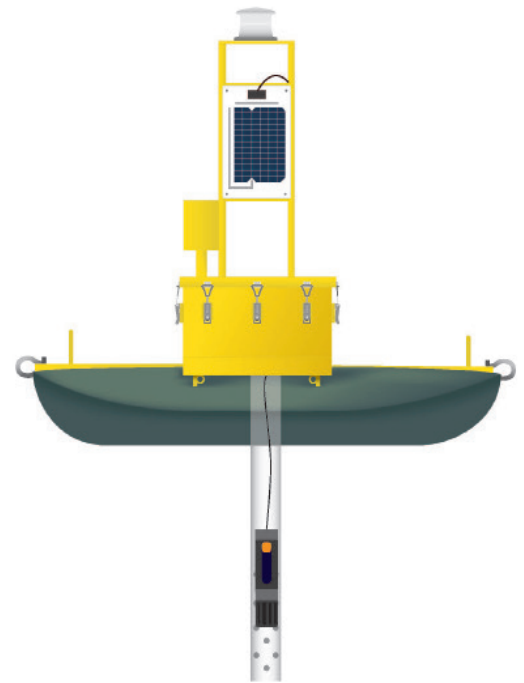
The PISCES platform is ideal for coastal, estuary, river, and lake monitoring. It can be deployed by two persons with a truck and a small boat. The platform provides several instrument array options as well as several data acquisitions products.

## Features include:

- Towable by most small vessels
- Ideal for high currents up to 12 knots
- Loading and deployment by two persons
- Standard configurations available with short lead time
- High profile for visibility in navigable waterways
- Abundant power reserve and solar accumulation
- Datalogger, cellular modem, meteorological sensors, and ADP configurations
- Sonde standpipe is retractable for transportation and towing
- Also available in flow-through cell configuration with option for multiple-depth sampling
- Optional: Unicellular foam-filled pontoons for puncture protection

## Custom systems available

Contact YSI's Integrated Systems & Services division to discuss your specific monitoring application. We offer a variety of buoy platforms which can be tailored to fit your needs.



**"The PISCES is deployed with one- or two-point mooring, making it stable even in wind-driven surface chop."**

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# EMM 350 Pisces Platform Specifications

## EMM350 Specs

Hull	Polyethylene with optional closed-cell filled pontoons	
Weight	Standard Configuration: 100kg Pumped Configuration 181.4kg	
Shape	Catamaran	
Dimensions	Height	1.8 m
	Length	3.2 m
	Width	1.3 m
Mooring Attachment	One - or two - point attachment points	
Frame	6061 marine-grade, powder-coated aluminum	
Tripod	6061 marine-grade, powder-coated aluminum	
Hardware	316 stainless steel	
Antenna	3db. gain omni low profile	
Sonde Tube	Retractable 10.2 cm schedule 40 PVC pipe with schedule 80 flange 1 meter instrument deployment depth	
Operational Sea State	4 Beaufort	
Survivability	8 Beaufort	
System Weight	49.9 kg	
Buoyancy	317.5 kg	
Net Buoyancy	Standard Configuration: 217.5 kg Pumped Configuration: 1361.1 kg	
Minimum Operation Depth	0.25 meters without sonde pipe deployed, 1.25 meters with sonde pipe deployed	
Maximum Operation Depth	25 m	
Maximum Current Speed	5.2 m/s (10.1 knots)	
Max. Additional Payload	Standard Configuration: 95.0 kg Pumped Configuration: 9.1 kg	
Real-Time Data	Yes	
MET Capable	Yes	
ADP	Up-looking only	



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