



Emriver Wave Maker



Description

The Emriver Wave Maker is a mechanical wave generator designed to demonstrate coastal geomorphology in our models. A large stepper motor drives an oscillating paddle on a shaft. The Wave Maker is driven by a microprocessor-based system made for precise control. Users can adjust wave stroke speed, stroke length, and pause between strokes. The controller also tallies run time and wave count. The Wave Maker is designed for ease of use and very long maintenance-free life.

It can simulate a large array of processes, including longshore drift, sediment transport from river mouths, and, with our color-coded media, particle sorting by these processes.

We have wave makers sized for the Em2, Em3, and Em4.

Specifications

Size

Em4 30.5 x 30.5 x 119 cm (12 x 12 x 47")

Em3 30.5 x 30.5 x 91 cm (12 x 12 x 36")

Em4 30.5 x 30.5 x 76 cm (12 x 12 x 30")

Weight

Em4 14kg (29 lbs)

Em3 11 kg (24 lbs)

Em2 10kg (22 lbs)

Electrical requirements

48V/4.8A DC power adapter included

Wave control

Paddle speed, stroke sweep in degrees, delay between strokes, and 'tsunami' mode.

Portability

Can easily be placed in model and removed

System Includes

- Wave Maker
- Digital controller
- 48V power supply
- Power cord
- GFCI (US and Canada only)
- User Manual