

550 N. University Ave.  
Carbondale, IL 62901, USA  
Phone +1-618-529-7423 | Fax +1-618-529-0927  
info@emriver.com | [emriver.com](http://emriver.com)



## Emriver Em2 Geomodel – Price quote and shipping information

---

Date June 29, 2022

Quote By Kris Schachel, kris@emriver.com

Quote For Emily Munter  
U.S. Fish & Wildlife Service  
Alaska  
Emily\_Munter@fws.gov  
907-260-0124

---

This quote includes a complete [Em2](#) system and is valid for 90 days. Specifications and included parts are listed on the following page. All prices in US Dollars.

One Complete Standard Emriver Em2 System	\$5,850.00
Upgrade to Color-coded-by-size Modeling Media	\$3,170.00
K500 Digital Flow Controller	\$1,835.00
Structures Kit	\$225.00
Academic Kit	\$310.00
Emriver Battery Adapter	\$115.00
Shipping	\$1,012.00
<b>Total</b>	<b>\$12,517.00</b>

### Optional Accessories

Upgrade to Color-coded-by-size Modeling Media	A	\$3,170.00
K500 Digital Flow Controller	B	\$1,835.00
Wavemaker	C	\$3,695.00
Groundwater System	D	\$3,325.00
Structures Kit	E	\$225.00
Academic Kit	F	\$310.00
Emriver Battery Adapter	G	\$115.00

---

These parts are included in your Emriver Em2 system. See the [specifications on our website](#) for further description, including photographs.

---

<b>Box</b>	Engineered reinforced 0.08" sheet aluminum box, 33 x 77 x 5 inches (0.83 x 1.96 x 0.13 m), 38 lbs (17.5 kg), TIG welded, PVC standpipe and drain fixture
<b>Supports</b>	Two folding aluminum supports, about 14 lbs (6.3 kg) each
<b>Reservoir</b>	27 gal. (102 L) polypropylene, with supports for sediment filter and pump  Sediment filter
<b>Pump</b>	Sealed 500 gph (1,892 lph) 12-volt 2.0 amp submersible pump, with intake filter
<b>Power supply and pump controller</b>	12-volt power supply with Ground Fault Circuit Interrupter, input standard 115-volt 60 Hz; Emriver simple one-knob electronic pump controller. Export models shipped with appropriate CE-approved power supply and connectors.
<b>Modeling media</b>	150 lbs (68 kg) ground thermoset plastic sand, specially manufactured with proprietary mix of size and color: non-color-coded Alpha mix
<b>Measurement tools</b>	Measuring tape for long profile surveys
<b>Modeling accessories</b>	Quartz riprap stones and colorful plastic riprap rocks  Acrylic shapes for bridge culverts, piers, and other flow obstructions  Simulated riparian vegetation
<b>Sediment handling</b>	Large scoops: one perforated and one non-perforated  Two scrapers for moving and shaping media  Concentrated blue and green dye with injection squeeze bottles for flow visualization
<b>Support</b>	Comprehensive use and maintenance manual  Comprehensive demonstration manual  Full parts, supplies, and model support from Emriver by phone and email.

---

## **Emriver Accessories and Instruments**

### **A Color-coded-by-size Modeling Media**

Emriver's color-coded-by-size modeling media is unique worldwide. It is made of ground thermoset plastic, is ideal for research, and allows for visualization of sediment transport and deposition according to size. An example of average particle sizes:

- Yellow 1.4 mm
- White 1.0 mm
- Black 0.7 mm
- Red 0.4 mm

*Color-coded media purchased upfront with the Em2 is \$3,170. We discount this media when purchased with the Em2 because non-color-coded media that would come with the standard Em2 is removed. If purchased later, the color-coded media is \$4,000 because the standard Em2 purchase will have included non-color-coded media.*

### **B Emriver K500 Digital Flow Controller**

The K500 controller and Paddle Wheel allows for precise flow measurement. It can also:

- Measure cumulative discharge over time
- Execute pre-programmed hydrographs

### **C Wave Maker**

The Wave Maker allows for study of coastal geomorphology processes. It is driven by a microprocessor-based, open source system made for precise control. Users can adjust wave stroke speed, stroke length, pause between strokes, tally run time and wave count. It can simulate a large array of processes, including:

- Longshore drift
- Sediment delivery from river mouths
- Particle sorting by these processes *if used with color-coded modeling media*

### **D Groundwater System**

This system can inject and extract subsurface flow from the model, and newly includes a Rain Maker spray bar component to allow demonstration of precipitation.

## **E Structures Kit**

The Structures Kit helps show the effects of culverts and bridges in streams, including fish passage, flooding, stability and other management issues. It includes:

- Two box culverts
- Walled culvert
- Walled double culvert
- Four model houses

## **F Academic Kit**

The Academic Kit aids research and experimentation in the Emriver model with tools for measurement. It includes:

- Crossbeam level rod, used with a laser level for surveying topography in the model, including long profiles and channel cross sections. Laser level is not included.
- 2000 ml graduated beaker
- 250 ml graduated cylinder
- 1000 ml graduated cylinder
- Stopwatch
- Coarse mesh hand sieve
- Perforated scoop
- Small channel-building scoop

## **G Emriver Battery Adapter**

The Emriver Battery Adapter allows our models to be powered with a 12-volt battery for field use. Battery is not included.

## **Delivery**

Emriver, Inc. is a small organization and our models are custom built upon receipt of order. Please let us know if you have particular delivery requirements, such as class/event/project needs, funding deadlines, or other delivery deadlines. We will make every effort to meet your needs, but **we cannot guarantee delivery dates.**

## **Shipping**

The Emriver Em2 model ships via freight.

## **Payment**

We prefer payment from an invoice within 30 days of billing. You will be billed upon receipt of Purchase Order. Emriver, Inc. does not collect sales tax. Buyer is responsible for paying applicable taxes in their state. If you are tax exempt, please include your tax-exempt certificate with your payment or email it to [info@emriver.com](mailto:info@emriver.com).

## **Warranty**

Emriver will replace parts with manufacturer defects within one year of purchase. After the warranty period, replacement parts may be purchased from Emriver if needed.