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Emriver Em2 Geomodel – Price quote and shipping information

Date June 29, 2022
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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
Total	\$12,517.00

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.

Box	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
Supports	Two folding aluminum supports, about 14 lbs (6.3 kg) each
Reservoir	27 gal. (102 L) polypropylene, with supports for sediment filter and pump Sediment filter
Pump	Sealed 500 gph (1,892 lph) 12-volt 2.0 amp submersible pump, with intake filter
Power supply and pump controller	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.
Modeling media	150 lbs (68 kg) ground thermoset plastic sand, specially manufactured with proprietary mix of size and color: non-color-coded Alpha mix
Measurement tools	Measuring tape for long profile surveys
Modeling accessories	Quartz riprap stones and colorful plastic riprap rocks Acrylic shapes for bridge culverts, piers, and other flow obstructions Simulated riparian vegetation
Sediment handling	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
Support	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.

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.