

Kemmerer Water Sampler



The sampler is a vertical PVC tube with silicone stoppers on each end that are held open when the device is lowered by a line to a desired depth. A stout metal cylinder called a messenger is dropped down the 93-foot suspension line to trigger the stopper closing mechanism. After the stoppers close the ends of the tube, the 1.2-liter sample is isolated from surrounding water as the device is hauled back to the surface. Wetted parts of the Kemmerer sampler are sufficiently chemically inert to allow the contained water to be tested for trace metals.

Use:

The device collects water samples from discrete depths in ponds, shafts and large-diameter wells. The maximum distance the messenger should be dropped through air is 30 feet.

Maintenance:

No routine maintenance is required. The Kemmerer sampler should be washed off with clean water and allowed to dry before it is returned to the storage location. Kemmerer end seals (stoppers) should not be seated in the cylinder during storage.

Check-out & contact information:

The Kemmerer sampler is available from the Technical Services Branch of the Mid-Continent Region, Contact Brian Hicks at 618-463-6463 ext. 5121 or bhicks@osmre.gov.

Equipment may be borrowed for a specific period. Equipment on loan will be temporarily transferred using a Department of the Interior Property Pass, Standard Form DI-1934, signed by the appropriate responsible individuals. OSMRE will generally pay for delivery to the requestor's office. The cost of return delivery will be borne by the requesting office. Some equipment is oversized or may need special handling.