

Number of samples: 13 with 250 ml (500 ml bottle frame available).

- Performs well in both low and high flux environments.
- Depth-rated to 7,000 m (10,000 m option available).
- Titanium frame reduces weight and resists corrosion.
- Optional Wet Sample Particle Divider (WSD-10) splits wet specimens into five or ten equal parts.
- For more information about this sampler, see the Sediment Traps pages at mclanelabs.com.

Parflux 8-13 Sediment Trap

Application:

The 8-13 Sediment Trap is a time-series instrument that autonomously collects the flux of settling particles on an operator-defined schedule. The wide top funnel collects particulate specimens into separate sample bottles.

Ocean and lake samples support ongoing global carbon cycle studies, paleoproxy and radionucleide investigations and environmental or pollution monitoring.

Features:

At half the size of the traditional PARFLUX 78H Sediment Trap, the 8-13 is easy to deploy and performs well in both low and high flux environments. Commands for adaptive, external control of sampling are also available.

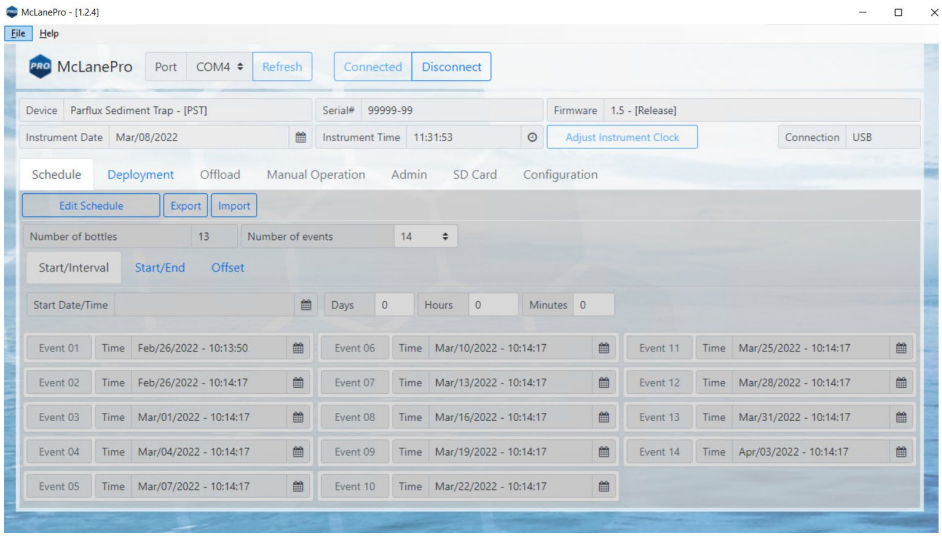
The 8-13 Sediment Trap collects 13 samples of 250ml or 500ml, and is designed for in-line mooring applications, bridles optional.

Options:

External temperature and depth sensors, external power connection.

McLanePro:

Sediment Traps use McLanePro, a graphical user interface built for McLane's Gen3 electronics. McLanePro eases the steps of event programming, data offload, and firmware updates.



8-13 Sediment Trap Specifications

DIMENSIONS:	Diameter:	66 cm (26 in)
	Height:	116 cm (45.5 in)
WEIGHT APPROX (NO BRIDLE):	In air, 500 ml bottles full:	42 kg (93 lbs)
	In water, 500 ml bottles full:	21 kg (47 lbs)
COLLECTOR:	Number of samples:	13
	Bottle volume:	250 (500 ml option) 500 ml (13 samples, wider bottles)
	Aperture area and diameter:	0.25 m^2, 56.5 cm (22.2 in)
	Baffle material:	Polycarbonate, 1.0 mm wall thickness
	Cone material:	Natural polyethylene internal coating
	Baffle cells:	Approx. 368, 2.5 cm diameter
	Aspect ratio of cell (h/d):	2:5
	Included cone angle:	41°
ROTARY ASSEMBLY:	Drive motor type:	Electronic stepper motor
	Drive train:	Direct gear train
CONTROLLER:	Pressure housing:	Titanium, 316 SS fasteners
	Communications:	USB, RS-232, RS-485 with optional added bulkhead connector
OPERATIONS:	Maximum depth:	7,000 m (10,000 m option is available)
	Battery:	14 user replaceable “C” cell alkaline batteries
	Maximum deployment time:	18 months
	Operating temperature:	-4°C to 35°C (in water non-freezing)
	Storage temperature:	-20°C to 45°C (in air, batteries removed)
FRAME:	Material:	Titanium, Grade 2
	Bridle eyes:	16 mm (5/8”), insulated
	Fasteners:	316 SS isolated