

Z ChemGear™

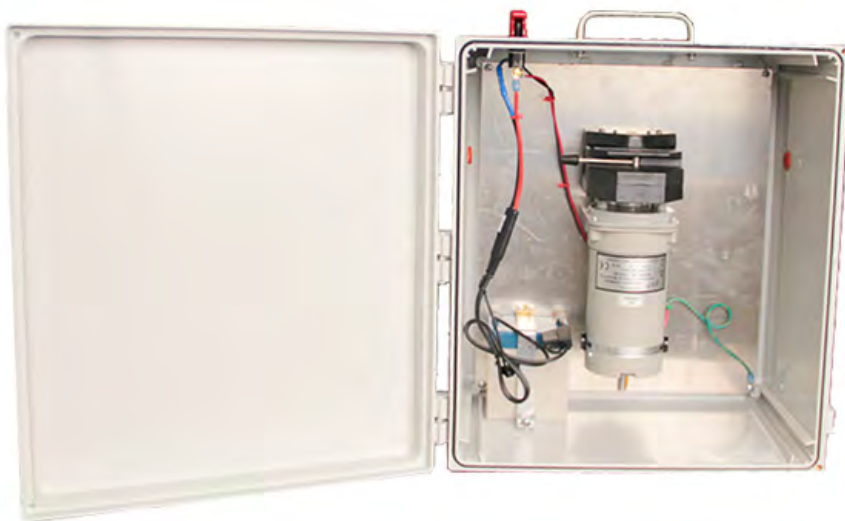
PORTABLE AND AUTOMATIC SAMPLERS

Zeroday offers manual portable and automatic PLC controlled samplers based on peristaltic pump technology. Starting with the hand carry battery powered 1.0 liter/minute sampler, customized automatic samplers that include multiple heads and solar powered battery charging for remote composite sampling systems are available.

Samplers based on robust, effective and reliable peristaltic pump technology:

- > Sampling solutions, water, and slurries
- > Self-priming, suction up to 26 ft. (8 meters)
- > Can run dry, effectively evacuates air out of lines

- > Stand alone 'box' samplers for sitting in feed using a PLC to collect samples on schedule with solar battery charging
- > 0.5 - 2.3 L/min pumping rates available
- > Only solution and slurry contact is inside the tube
- > Corrosion resistant construction for a wide range of environments
- > Rugged and durable casing for long useful life
- > Different battery options available, interchangeable batteries from 110v, outlet or by inverter in vehicle, solar charging options



HAND CARRIED PORTABLE SAMPLER

- > Operates on 12 volt battery
- > Easy battery charging via a 110 volt outlet standard
- > Other customized power options possible
- > Battery field charging via cigarette lighter or from a interchangeable second battery
- > Optional extra battery for easy battery swap out to extend field work time
- > In plastic case with carrying grip
- > Total field weight with standard unit is 21 lb. (9.6 kg)
- > Standard installed battery provides approximately 1 hour, 40 minutes operation

AUTOMATIC 'BOX' SAMPLER SYSTEMS

- > PLC controlled
- > Operator establish sampling schedules
- > Does an initial timed line flush before taking a sample
- > Precise sample volumes obtained
- > Composite samples over time in sample bottles
- > Multiple pump head systems, dedicated to different samples
- > AC power when available
- > Solar backup, battery power for standalone remote applications

