

Portable Peristaltic Sampling Pump

**Ideal for Sampling Monitoring Wells,
Surface Waters, Waste water , Tanks, and Manholes.**

Applications:

The TR-200 Peristaltic Sampling Pump is a lightweight, compact, battery powered peristaltic pump providing a fast, dependable and economical means of sampling fluids in the field. Applications include sampling:

- Ground water sampling to 25 ft.
- Well Purging
- Sampling direct-push wells
- Streams, lakes, ponds
- Manholes and culverts
- Tanks and drums
- Waste water

Check your sampling protocol as the peristaltic pump may not be recommended for VOC sampling. Our bladder or Sample Plus™ pumps may be more appropriate.

Designed for field work. The compact TR-200 is self contained and does not require an external controller or power source. At only 10 lb, this pump is light and small enough to carry anywhere. The pump tubing is easy to clean and replace. The rugged, water-tight enclosure is made of high impact and corrosion resistant ABS plastic to withstand demanding work conditions.

Safety. The pump is sealless. There are no mechanical packing or seals to wear out and leak, which is important when pumping dangerous fluids.

Reliability. The peristaltic pump has been proven to be extremely reliable in field applications. The pump head tubing is a silicone rubber tube for longer life. It may be run dry without damage. The pump body is clearly visible on the outside of the enclosure to facilitate inspection and replacement of tubing and rollers.

Consistent flow rates. The precision DC Controller includes a built-in digital display and warning lights. Digital display shows rotor speed expressed as a percentage (zero to 100%) of maximum speed. Sealed buttons are used to vary pump speed.

Benefits:

- ❖ **High precision digital control and display.** Provides precise flow control and reference settings when purging or sampling.
- ❖ **Warning lamps show battery condition** (GOOD, LOW, DEAD). An Auto Shut-Down light illuminates if the motor circuit overheated.
- ❖ **Compact weatherproof case and sealed control buttons.** Rugged and dependable. Made for field use!
- ❖ **12 V (dc) power.** TR-200 is powered by an internal 12 V, 7.5 A·h gel cell battery. A 10 ft (3 m) power cord (with alligator clips or cigarette lighter adapter) is included and makes it easy to power the pump from a 12 V (dc) automotive battery.
- ❖ **Easy pump head tubing replacement.** Hinged cover plate provides quick and simple access to the roller assembly.
- ❖ **Variable speed.** Choose high flow (up to 500 ml/min) rates to sample large volumes quickly and low flows to avoid spills.
- ❖ **Minimize decon time and expense.** The suction and discharge hoses as well as the pump tubing are easily cleaned or replaced.
- ❖ **Purging.** The pump rotation may be reversed to back flush and purge the suction line.
- ❖ **Run Time.** Run up to 4 hours on the internal battery or indefinitely on an external, automotive type 12 V battery when using the Pump Power Kit (included).



Top: Digital push-button speed control is easy and precise.
Left: sampling a monitoring well.
Right: sampling a drum.



TR-200 shown with the power supply kit (included). Kit comprises 10 ft DC power cord which may be connected to the cigarette lighter adapter or the alligator clips.



Left: The flip cover makes it easy to inspect or change the pump head tubing.



ORDERING INFORMATION	
TR-200	Peristaltic Sampling Pump
Accessories:	
TR-3013	Smart Battery Charger for AC power (optional)
TR-735	1/4" OD suction tubing, polyethylene (LDPE). Per ft.
TR-925	Carrying Bag, canvas, padded, 10 x 8 x 13 in
Replacement Parts:	
TR-3014	Rechargeable Battery (12 V, 7.5 A•h gel cell type)
TR-205	Peristaltic Head Kit (pump head tubing, 3/8" OD x 1 ft, pack of 5)
TR-203	Peristaltic Pump Power Kit. Includes 10 ft DC power cord, cigarette lighter adapter and alligator clips.
Related Items:	
51690010*	Water Level Indicator with 100 ft round cable*
	Water Quality Instruments . Please consult our web site

* Other models available. Please consult our web site.

SPECIFICATIONS	
Operating Principle	Peristaltic pump (2 rollers)
Pumping Rate*	100 to 500 ml/min. Adjustable. Your flow rate will vary with the lift and battery charge.
Back Flush Rate	Same as pumping rate
Suction Lift (Max.)	25 ft (7.6 m) maximum with water
Current Consumption	2.5 A (typical)
Overcurrent Protection	Auto reset with indicator light
Operating Voltage	12 V (dc)
Operating Temperature	35 to 160°F (2 to 70°C)
Pump Tubing	3/8" OD x 3/16" ID unreinforced silicone tubing. Certifications: FDA, NSF 51, SEG Incinerable.
Suction and Discharge Hose	Optional
Power	12 V, 7.5 A•h gel cell battery. Rechargeable. Includes power cord
Estimated Run Time	4 hr (approx.) at full battery charge 2 hr (approx.) at LOW battery level
Enclosure	Water resistant. Tough ABS plastic construction.
Dimensions (W x H x L)	9.5 x 7.5 x 6 in (241 x 190 x 152 mm)
Shipping Weight	10 lb (4.5 kg) with battery

* with 25 ft of 1/4" OD suction hose and 0 ft head, and full battery charge.

Left: The optional padded canvas bag (TR-925) is convenient for carrying the pump, a water level indicator and related tools in the field.