

Peristaltic Sampling Pumps

YSI ProSample Portable Automatic Samplers

YSI's ProSample portable samplers feature a proprietary peristaltic pump for highly accurate sampling in applications such as surface water, storm water, and wastewater. With multiple samplers to choose from and the ability to sample based on time, analog signal, digital pulse, and/or measurements from an SDI-12 device (ProSample P-12 and ProSample PM-12 models only), the ProSample can be the final piece of your monitoring installation. Composite sampling can be completed with all models, while discrete sampling can be completed with the ProSample P and ProSample P-12.

FEATURES

- Compact design for portability
- Robust PE, double-walled, insulated housing for temperature control
- Easy to learn, easy to use programming and calibration
- Flexible analog and digital connectivity options
- Highly accurate sample volume
- Non-volatile data memory
- Analog Signal and Digital Pulse Inputs
- Optional SDI-12 connectivity

INCLUDED WITH EACH PROSAMPLE

- 5 meter suction hose with screw connection and sinker weight
- 10L PE container (only the ProSample PM and the ProSample PM-12)
- Battery
- USB cable
- Two peristaltic pump tubes
- Printed copy of the ProSample Getting Started Guide



YSI ProSample
PM-12

YSI
ProSample P

CALL GEOTECH TODAY (800) 833-7958

Geotech Environmental Equipment, Inc.

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SPECIFICATIONS

Pump Type	Peristaltic
Accuracy	Single sample volume accuracy: $\pm 5\%$ or ± 5 mL (whichever is greater) within the sample volume range 20-10000 mL
Range	Single sample volume range: 1-10000 mL
Suction Height	Maximum 8.5 m (27.9 ft.) at 1 atm with 10 mm ID suction hose
Fluid Delivery Speed	>0.61 m/s at suction height up to 7 m with 10 mm ID suction hose
Sampler Housing	PE (polyethylene); double-walled and insulated for longer ice retention
Dimensions (D x H)	P and P-12 = 50 x 74 cm PM and PM-12 = 40 x 60.5 cm
Weight	P and P-12 = 15 kg PM and PM-12 = 9 kg
Suction Hose	Maximum allowable length is 30 meters, ID of YSI suction hoses is 10 mm
Bottles	ProSample P and ProSample P-12 – Discrete or composite sampling PE: 24 x 1 L, 8 x 2L, 4 x 4 L, 1 x 26 L Glass: 24 x 350 L, 12 x 950 mL, 8 x 2L ProSample PM and PM-12 – Composite sampling only PE: 1 x 10 L (included with each PM and PM-12)
Memory	Up to 3000 entries; non-volatile data memory for up to 5 years Stores sampling and error data, bottle changes, messages, external signals
Inputs	Analog 0/4-20 mA, Digital, SDI-12 (P-12 and PM-12 only)
USB Port	Mini-B USB for PC connection
PC Software	YSIConnect PC software for controlling the sampler and downloading data (not required)
Programming	12 user-defined programs
Operating Temperature	0 to 50°C
Sample Temperature	0 to 40°C
Power	12V/7.2 Ah lead storage battery (maintenance free, leak proof) 115V or 230V operation by means of battery charger
LED	Indicates if a program is running, an error has occurred, or low battery
Display	Backlit graphic display; 6.5 cm width x 3.2 cm height
Certifications, Standards	CE, ISO 5667-10, EN 16479
Warranty	1 year on all ProSample models



PM & PM-12



P & P-12



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PROSAMPLE SELECTION GUIDE

To ensure the sampling needs of each user are met, there are four different models of the YSI ProSample available. Please follow the steps of this guide when selecting a ProSample system.

Step 1: Select Your Sampler

YSI PN/Geotech PN

630140/72103105	ProSample PM mini portable sampler. Includes 10 L PE composite sampling bottle with lid, battery, two peristaltic pump tubes, USB cable, Getting Started Guide, and a 5 meter suction hose with screw connection and sinker weight
630110/72103106	ProSample PM-12 mini portable sampler with SDI-12 connectivity. Includes 10 L PE composite sampling bottle with lid, battery, two peristaltic pump tubes, USB cable, Getting Started Guide, and a 5 meter suction hose with screw connection and sinker weight
630141/72103107	ProSample P full-size portable sampler. Includes battery, two peristaltic pump tubes, USB cable, Getting Started Guide, and a 5 meter suction hose with screw connection and sinker weight
630111/72103108	ProSample P-12 full-size portable sampler with SDI-12 connectivity. Includes battery, two peristaltic pump tubes, USB cable, Getting Started Guide, and a 5 meter suction hose with screw connection and sinker weight

Step 2: Select Sample Bottle(s) for ProSample P or ProSample P-12

YSI PN/Geotech PN

630134/12103316	Set of (24) 1 L bottles (PE) with lids
630135/12103317	Set of (8) 2 L bottles (PE) with lids and fixing plate
630136/12103318	Set of (4) 4 L bottles (PE) with lids and fixing plate
630152/12103319	Set of (24) 350 mL bottles (glass) with lids and fixing plate
630142/12103320	Set of (12) 950 mL bottles (glass) with lids and fixing plate
630143/12103321	Set of (8) 2 L bottles (glass) with lids and fixing plate
630118/12103322	26 L (PE) composite bottle with lid

NOTES: If ordering any bottle set except the 26 L (PE) composite bottle, a distributor arm must be ordered, see Step #3. A 10 L composite bottle is included with each ProSample PM and ProSample PM-12. This is the only bottle that can be used with the PM and PM-12.

Step 3: Select a Distributor Arm (if needed)

YSI PN/Geotech PN

630112/12103323	Distributor arm for 24 x 1 L PE, 8 x 2 L glass, 12 x 950 mL glass, and 24 x 350 mL glass bottle sets; distributor tube (0901064/12103353) is pre-installed
630113/12103324	Distributor arm for 4 x 4 L PE and 8 x 2 L PE bottle sets; distributor tube (0901064/12103353) is pre-installed

Step 4: Select a Cable for Connecting External Device(s)

For all ProSample models:

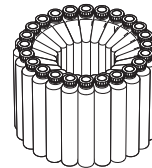
YSI PN/Geotech PN

630147/12103371	10 meter flow signal cable with open cable end for wiring to a digital or analog device, as well as non-SDI-12 event connections (i.e. a relay)
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For ProSample P-12 and PM-12 only:

YSI PN/Geotech PN

630146/12103325	10 meter SDI-12 cable with open cable end for wiring to an SDI-12 device (e.g. EX01 and EX02 with signal output adapter)
630145-02/12103326	2 meter SDI-12 cable with 6-pin female wet-mate connector for direct connection to YSI EX03 sonde
630145-04/12103327	4 meter SDI-12 cable with 6-pin female wet-mate connector for direct connection to YSI EX03 sonde
630145-10/12103328	10 meter SDI-12 cable with 6-pin female wet-mate connector for direct connection to YSI EX03 sonde
630145-15/12103329	15 meter SDI-12 cable with 6-pin female wet-mate connector for direct connection to YSI EX03 sonde
630145-33/12103330	33 meter SDI-12 cable with 6-pin female wet-mate connector for direct connection to YSI EX03 sonde



630134/
12103316



630118/
12103322

Step 5: Select a Battery Charger and International Adapters (if needed)

YSI PN/Geotech PN

630137/12103331	Battery charger, IP-67 (waterproof) rated, for US customers, CEC compliant
630122/12103332	Battery charger, IP-67 (waterproof) rated, for non-US customers, does not include international adapters
630144/12103333	Battery charger, not IP-67 (waterproof) rated, for non-US customers, does not include international adapters
630153/12103334	International adapter kit for 630122/12103332 or 630144/12103333 charger

Step 6: Select Accessories

YSI PN/Geotech PN

0030051/12103335	Strainer 8 x 8 mm
0901025/12103336	Strainer 2 x 2 mm
0069810/12103337	Y-Cable for continuous connection of the ProSample battery to AC power. Only recommended if AC power source near location of ProSample. This allows the battery to receive continuous charge
0901074/12103338	Lockable latches — Qty of 3
0901072/12103339	Suspension harness for ProSample PM and ProSample PM-12
0901073/12103340	Suspension harness for ProSample P and ProSample P-12
0900045/12103341	Suspension bar for harness
0901097/12103342	Transport trolley for ProSample P and ProSample P-12

Available Replacement Items

YSI PN/Geotech PN

603132-05/12103343	5 meter suction hose with screw connection and sinker weight
603132-10/12103344	10 meter suction hose with screw connection and sinker weight
603132-20/12103345	20 meter suction hose with screw connection and sinker weight
630125/12103346	SDI-12 connector to ProSample; same as 630146 but without the cable
0050598/12103347	Stainless steel sinker weight, length 180 mm
0901055/12103348	Battery pack, 7.5 Ah with connection cable and fuse holder
0060589/12103349	Desiccant cartridge
0901101/12103350	Battery retaining band
0901062/12103351	Peristaltic pump tube
0901063/12103352	Intermediate tube; does not include the 630126 adapter that allows connection of the suction hose
0901064/12103353	Distributor hose
630126/12103355	Adapter, male 3/4 inch-14BSPP to barbed 10 mm ID; this adapter is installed at the end of intermediate tube and allows for connection of the intermediate tube to the suction hose
630127/12103356	Adapter, female 3/4 inch-14BSPP to barbed 3/8 inch ID; this adapter is installed at the end of the suction hose and allows for connection of the suction hose to the intermediate tube
0050695-VA/12103357	Tube connector V2A (stainless steel); 1 piece
0050695-PTFE/12103358	Tube connector PTFE; 1 piece
0060584/12103359	Replacement bottle, 1 L, PE
630150/12103366	Replacement cap for 1 L bottle
0060636/12103360	Replacement bottle, 2 L, PE
0060634/12103361	Replacement bottle, 4 L, PE
0030052/12103362	Replacement bottle, 350 mL, Glass
0060628/12103367	Replacement cap for 350 mL bottle, PE white
0030054/12103363	Replacement bottle, 950 mL, Glass
0060640/12103368	Replacement cap for 950 mL bottle, PE white
0030013/12103364	Replacement bottle for 2 L, Glass
0060161/12103369	Replacement cap for 2 L, PE white
630151/12103365	Replacement 10 L (PE) bottle with lid

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