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

**CALL GEOTECH TODAY (800) 833-7958**
Geotech Environmental Equipment, Inc.
2650 East 40th Avenue • Denver, Colorado 80205
(303) 320-4764 • (800) 833-7958 • FAX (303) 322-7242
email: sales@geotechenv.com • website: www.geotechenv.com
### SPECIFICATIONS

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

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**Peristaltic Sampling Pumps**

**YSI ProSample Portable Automatic Samplers**

**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

**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:**

- 630147/12103334 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 mile)

**For ProSample P-12 and PM-12 only:**

- 630146/12103325 10 meter SDI-12 cable with open cable end for wiring to an SDI-12 device (e.g. EXO1 and EXO2 with signal output adapter)
- 630145-02/12103326 2 meter SDI-12 cable with 6-pin female wet-mate connector for direct connection to YSI EXO3 sonde
- 630145-04/12103327 4 meter SDI-12 cable with 6-pin female wet-mate connector for direct connection to YSI EXO3 sonde
- 630145-10/12103328 10 meter SDI-12 cable with 6-pin female wet-mate connector for direct connection to YSI EXO3 sonde
- 630145-15/12103329 15 meter SDI-12 cable with 6-pin female wet-mate connector for direct connection to YSI EXO3 sonde
- 630145-33/12103330 33 meter SDI-12 cable with 6-pin female wet-mate connector for direct connection to YSI EXO3 sonde

**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
- 630123/12103332 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 2 x 2 mm
- 0901025/12103336 Strainer 2 x 2 mm
- 0060810/12103337 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
- 090045/12103341 Suspension bar for harness
- 0901097/12103342 Transport trolley for ProSample P and ProSample P-12

**Available Replacement Items**

**YSI PN/Geotech PN**

- 630132-05/12103343 5 meter suction hose with screw connection and sinker weight
- 630132-10/12103344 10 meter suction hose with screw connection and sinker weight
- 630132-20/12103345 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 Distribution 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-V/12103357 Tubing connector 7/16" (stainless steel), 1 piece
- 0050695-PTE/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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