



ProSample for COVID RNA

SIMPLIFYING WASTEWATER SURVEILLANCE WITH AUTOMATIC SAMPLING



Don't get your hands dirty.

Automatic sample collection from the sewer.

YSI's **ProSample** portable samplers feature a proprietary peristaltic pump for highly accurate wastewater sample collection which can then be taken to a laboratory for COVID RNA testing.

Samples are collected from the wastewater network in the morning and evening during peak hours. The ProSample units are located adjacent to individual buildings such as apartment complexes whereby sample collection from the wastewater network is representative of the community inside the complex. Once samples are collected they are taken to the laboratory for sample analysis and detection of COVID RNA.

Conducting this efficient sampling solution at a sewer node allows for the connection of COVID to an individual building. Alternatively, testing can eliminate a single building for the presence of COVID and direct efforts elsewhere.



Flexible connectivity options,
including SDI-12



Low-maintenance system,
low cost of ownership



High sample volume accuracy



Compact design
for ease of portability



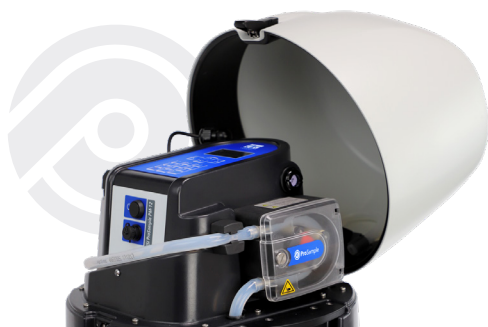
a xylem brand

ProSample PORTABLE AUTOMATIC SAMPLER



ProSample Specifications

Pump type	Peristaltic
Accuracy	Single sample volume accuracy: +/-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 10L (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	12 V/ 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



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Let's Solve Water

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