



ProSample for COVID RNA

SIMPLIFYING WASTEWATER SURVEILLANCE WITH AUTOMATIC SAMPLING



 **ProSample**

Don't get your hands dirty.

Automatic sample collection directly from the sewer.

YSI's **ProSample** portable samplers feature a proprietary peristaltic pump for highly accurate and automated collection of water samples. For COVID detection, health authorities can install ProSample units along any part of the wastewater network, including individual buildings. With the ProSample, you can collect consistent representative water samples from any wastewater network during peak usage hours.

Laboratory testing of these samples for COVID RNA can determine if an outbreak is present or if mitigation efforts should be directed elsewhere.



Rapidly deploy portable units for targeted outbreak monitoring



Automatically collect samples at times of peak water usage



Protect your team from hazardous sampling conditions



Avoid bias in your sampling with consistent processes



a **xylem** brand

ProSample PORTABLE AUTOMATIC SAMPLER

Wastewater samples are collected by a field team to be sent to a laboratory for COVID RNA testing.



SPECIFICATIONS XA00132



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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Who's
Minding
the Planet?®



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