

Sampler 780

AWARD WINNING LIQUID SAMPLER

7.10

Sampler 780 is the most user-friendly and reliable sampler on the market designed specifically for wastewater industry. Design and function are well connected with the fully welded cabinet in stainless steel and all liquid-affected parts are in plastic/glass.

Sampler 780 is IP55 approved and the control panel is a waterproof touch panel, while all electronics are mounted inside the cabinet. Hoses and test tubes are on the outside, which ensures easy cleaning. It has a built-in alarm system and automatic restart if blocked. Furthermore, it can be calibrated, and spare parts easily replaced. Sampler 780 is the most used sampler in Scandinavia since it meets strict requirements and legislation for sampling from treatment plants.

Sampler 780 works according to the pressure/vacuum principle. At the start signal, the sample tube is purged of any residue from the previous sample still left in the tube. After the purge, the water sample is vacuumed up until the test tube is full.

When the tube is full, excess water is drained until the desired amount (20 - 500 ml) is reached. The outlet valve is opened, and the water sample is led down into the sample container, where the samples are collected.

If the filling fails - for example if there is a large impurity in the inled tube - the sampler will automatically repressurise and purge impurities, after which the interrupted sequence is continued. Should the sampler fail again, it stops and report an alarm.

Features

- Robust
- Waterproof - fully welded in stainless steel
- Long service life and reliable operation
- Easy to clean
- Easy and user-friendly installation
- Sample size 20 ml - 500 ml
- Supply: 12V DC and 220 - 240/110 - 120V AC (battery/Net)
- Built-in alarm system and automatic self-help in case of clogging
- Time-controlled sampling or activated by pulses from flowmeter or PLC
- Complies with ISO 5667/EU 10/2011 CAT. A,B,C.

Application

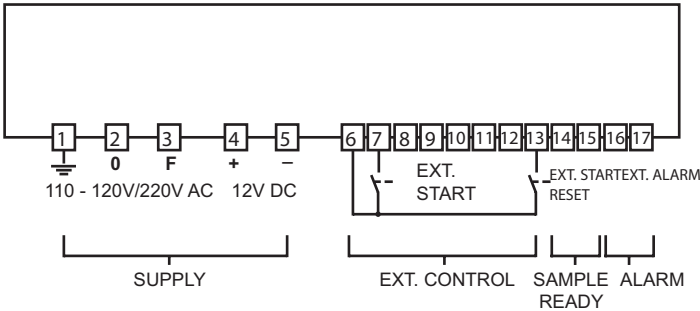
The 780 Liquid Sampler is designed to take samples from lakes, rivers, sewage systems, pumping stations, etc. The sampler can be connected directly to MJK Flow Converter 713 or MJK MagFlux, for flow proportional sampling.



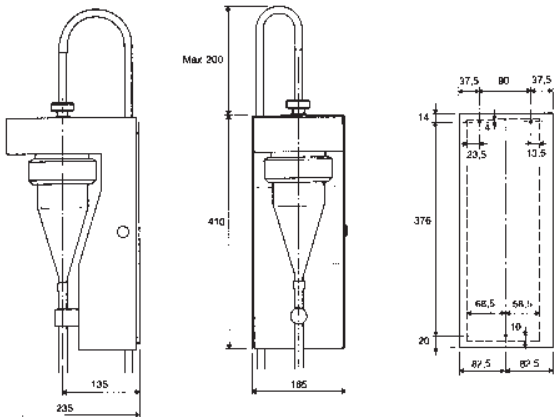
Sampler 780



Electrical Connection



Dimensions



Specifications

Sampler 780 data	
Cabinet	Stainless Steel welded construction
Enclosure	IP-55
Weight	5 kg
Dimensions	165mm x 410mm x 235mm (WxHxD)
Cycle time	app. 2 min. (ajustable 1-10 min.)
Sample size	20 ml - 500 ml
Vacuum	Max. 7,5 m
Pressure	Max. 1 bar (pressurise the sample tube)
Inlet tube	PVC tube inner dia. 10.0 mm
Outlet tube	Silicone tube inner dia. 10.0 mm
Voltage	12V DC & 220 - 240/110 - 120V AC
Consumption	In Operation: 30 W Stand by: 2 W

Order Numbers

Sampler 780	
203520	Sampler 780, 230VAC, 12VDC
Accessories	
203551	Integrator / timer 783-1320 for 780 Input, 4-20mA
595110	Sample glass for 780
595120	Inlet tube pvc / pr. m
595121	Effluent tube silicone / pr.m



MJK Automation
Blokken 9
DK-3460 Birkerød
Denmark

Tel +45 45 56 06 56
www.mjk.com

Connect, MµConnect, Chatter, MagFlux, Oxix, pHix compact, Shuttle and SuSix
are registered trademarks of MJK Automation.
© 2022 Xylem, Inc.

