

WS Porti

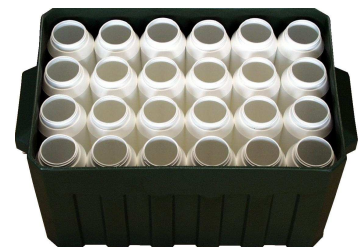
Portable Water Sampler



Mobility and Automated Sampling

The battery-operated WS Porti is the sampler of choice for field sampling in remote locations without mains power.

- Robust housing made from quality stainless steel
- Vacuum/pressure system for precise sample volumes
- No recalibration necessary after cleaning
- Other sampling systems available upon request
- Program linking and parallel operation as standard software
- Simple switching of boxes
- Easy access to components



WaterSam WS Porti 1 / 12 / 24 - Technical Specifications

General

Applications	Portable sampler for indoors / outdoors
Norms	CE
Dimensions (H x W x D)	Porti : 430 x 415 x 290 mm Box 1T/12 T: 415 x 710 x 360 mm Box 24T: 455 x 920 x 500 mm
Weight	Porti: approx. 17.5 kg (incl. battery) Box 1/12: approx. 4.5 kg Box 24T: approx. 7 kg
Power Requirements	Mains: 100-240 V AC; 50/60 Hz 0.7-0.5 A, 50 VA Battery operation: 24 V DC, 9 Ah

Sampling System

Standard	VAC vacuum-pressure sampling system for time-, volume-, event-proportional sampling
Flow-Proportional (Optional)	- VAR-E: variable volume - Peristaltic pump: variable volume
Sample Volume	12-200 ml; multiple-shot samples possible
Metering Vessel	DURAN 50 borosilicate glass Dishwasher-safe, resistant to acid, alkaline, and temperature changes
Pump Performance	24 V DC; -0.7 bar, 7 m max. lift height, 9 l/min free flow Optional: VacuPress for lift heights up to 13 m or more
Intake Hose	12 mm ID PVC (optional: other diameters)
Wetted Parts	Borosilicate glass, PE, PVC, silicone, stainless steel 304/316Ti (optional: alternative materials as required)

Sample Bottles / Distribution

Composite Container (without distributor)	Porti 1 / 12: 1 x 6,4 l PE Porti 24: 1 x 10 l PE
Distributor (optional)	Motor-driven rotary distributor; 24 V DC
Bottle Synchronization	Automatic
Bottle Sets with Distributor	Porti 12: 12 x 1 l PE 12 x 0,9 l glass with snap lid 5 x 1 l + 1 x 6,4 l PE 2 x 5 l PE Porti 24: 24 x 1 l PE 24 x 0,9 l glass with snap lid

Additional options and accessories as well as custom equipment available by request.

Housing

WS Porti Housing	Stainless steel 304 Optional: - Stainless steel 316Ti - Powder-coating (RAL colours)
Environmental Consideration	Construction facilitates easy separation of materials for proper recycling and disposal
Box Housing	Polyethylene, with polyurethane insulation

Standard Controller

General	Microprocessor controller with 4-button operation, backlit 4 x 20 character display, real-time clock, battery backed-up RAM memory (5 years), overload-protected outputs, 4 completely separated analog inputs (differential input)
Software	Menu-guided operating system Up to 9 user-defined sampling programs; any/all programs can be run simultaneously or linked. Memory for fault, event, and operational conditions, pre-set operating programs, always switchable. Pre-set and user-defined distributor settings
Inputs	Up to 4 x analog 0/4-20mA Up to 10 x digital (flow, event, multiple programmable inputs)
Outputs	16 x digital (program active message, fault message, other programmable messages)
Interface	RS 232, optional RS 485
Modem (optional)	Remote operation / fault message via SMS / Remote start via mobile phone
Advanced controller (optional)	See MS3 Controller datasheet

WaterSam GmbH & Co. KG
Hözlstr. 42
72336 Balingen
Germany

Tel.: +49 (0)7433 277043-0
Fax: +49 (0)7433 277043-22
Email: info@watersam.de
Web: www.watersam.com

