



AQUACOMPACT

ISO THERM PORTABLE
SAMPLER

APPLICATIONS

Waste Water effluents
Storm water monitoring
Storm discharge monitoring
Conformity with ISO 5667-10 Norm
Pre-treatment compliance

ADVANTAGES



- Housing HDPE for easy transport of the sampler in the field
- Possibility to connect a flowmeter and an external battery
- USB socket in front of the controller
- Robust vacuum pump sampling system for highest repeatability, simple cleaning and minimal maintenance
- Visualization of the bottles during sampling

GENERAL CHARACTERISTICS

Housing	HDPE
Dimensions	640 x 505 x 450 mm (H x W x D)
Weight	27 kg
Power requirements	110 - 240 V AC ; 50/60 Hz / Battery : 24 V DC
Sampler closure	Hinged closure, possibility to add a security padlock
Inputs	Charger or external 24 V DC power supply (3 A) 0 or 4-20mA (for flowmeter or event signal)
Protection	The sampler must be protected against heavy rain, for example with a tarpaulin

SAMPLING

Sampling System	VAC vacuum pump system
Sampling Modes	Sampling proportional to time, volume and event
Suction hose	Diameter : 12 mm Length : 5m (standard) Material : PVC reinforced with clear ballast brass or stainless steel at the end of tube
Sample Volume	12 - 200 ml (en option : 350 ml)
Volume accuracy *	± 1 ml
Speed volume	0,50 m/s (at 5 m height) adjustable
Pump	24 V DC Pressure : 0.7 to 1 bar 9 L/min free flow
Clearing blow (before and after the sample)	1 to 120 seconds
Maximum Suction height	7m
Materials	Borosilicate glass, PE, PVC, stainless steel, silicone

SAMPLE DISTRIBUTION

Bottles	1 x 17 L composite container HDPE
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CONTROLLER

Batteries	Lead-acid incorporated, maintenance-free**
Material	Stainless steel AISI304 (1.4301)
Operating temperature	-20°C to + 60°C
Protection	IP55
Number of programmes	9 (simultaneous or chained)
Intervals	1 mn to 100 h
Sample Time	1 mn to 250 h
Remote start on external contact	Yes
Sampling from external contact (e.g. flowmeter)	1 to 9999 contacts
USB socket in front of the panel	Yes

*Volumes must be distributed with fidelity and accuracy of at least 5% according ISO 5667-10. Charge the sampler at least every 2 weeks in case of non-use. Ideally, leave it plugged in between uses to preserve battery autonomy.

** Immediately recharge the sampler after complete battery discharge to avoid deep discharge.



NEW

CARRYING CASE WITH EXTERNAL BATTERIES

Advantages

- 2 batteries 12 17AH
- Increase the autonomy of sampler (approximately 500 samples)
- Prevents deep discharge of the sampler's the intern battery
- Reinforced, adapted suitcase for the field

When to use the suitcase with external batteries?

- High sampling frequency (under 15 min or more than 96 samples per day)
- Sampling Campaigns in isolated locations

