

**Fixed site water sampler
model MAXX SP III-A
-Self-emptying-**

Fixed site sampler in stainless steel housing with thermostatic control



Vacuum system:
Approved, reliable system,
manual adjustment of the
dosing volume, very accurate
sample volume up to 350/500

ml.



**Flow-proportional vacuum
system(VAR):**
Offers the advantages of the
vacuum system combined
with a variable dosing volume
adjustment according to the
analogue signal 0/4-20 mA.



Flow-through system:
Especially suitable for sample
extractions by means of a
bypass line or extractions by
means of an external pump
with flow rates from 3-20
l/min.



Data sheet SP III-A

Housing	Double-walled stainless steel (material 1.4301) with 40 mm insulation and 2 lockable doors. Upper door with plexiglass window. Protective heating in upper part. Protective top which can be opened for connection and maintenance works.
Self-contained thermostatic control	Automatic cooling and heating of the sample compartment at +4 °C independent of the programmable controller
Control	Microprocessor control with 4 MB Flashrom, 32KB RAM (battery-buffered), 32 KB EEPROM, 3 digital inputs and 8 digital outputs, 1 configurable analogue input, battery-buffered real-time clock. Operation by means of a waterproof foil keyboard (with keys 0-9, ESC, ENT, cursor) and 4 x 20 character back lit LC-display.
Overvoltage protection	All inputs are protected against overvoltage
Programming	<p>Time display: Hours, minutes, seconds weekday, day, month, year</p> <p>Time delay: Date and time</p> <p>Sampling:</p> <ul style="list-style-type: none"> •time-related •flow-related (analogue (0/4-20 mA) or digital) •event-related or in combination. •interval 1 min to 99 h 59 min •bottle filling 1 min to 99 h 59 min •programs 6 user programs (for free editing) •data memory logging of sample extraction data and messages <i>Optional storage of external data</i>
Languages	Multi-language, selectable (German, French, English, Italian, Danish, Dutch, Polish)
Interfaces	RS 232 (internal on CPU-board in plug-in version, not led to the outside).
Modem	Optional: GSM, AT or ISDN modem to change the programming, for a status fetch, a data fetch or a message transmission as SMS.
PC software	Optional: PC software (Win98, NT, XP) for parameterization, status control, data fetch and direct storage as excel file/text file/PDF file.
Status messages	Optional: Sampling, distributor, program active and collective malfunction message.
Dosing systems (optional variants)	<ol style="list-style-type: none"> 1. Vacuum system Metering vessel made of glass Duran 50, adjustable volume 20 - 350 ml (<i>optional</i>: 20 - 500 ml). Diaphragm pump 12 V / 4 A, vacuum , 7,0 m, pressure 1 bar, motor-driven valve system¹ for change-over pressure/vacuum/aeration, average suction speed with suction hose ID 12 mm and 5 m suction height > 60 cm/sec. 2. Variable vacuum system (for flow- proportional sampling) 0/4 - 20 mA- Metering vessel made of glass Duran 50, adjustable volume 25 - 450 ml. At the <u>variable</u> dosing system the dosing volume is <u>automatically</u> adapted to the <u>analogue</u> flow signal. 3. Flow-through system Metering vessel made of glass Duran50, for flow rates from 3 - 20 l/min., adjustable volume 20 - 250 ml with 2 motor-driven pinch valves².
Sample bottles	12 x 1,6 l glass Duran 50 or 24 x 2 l glass Duran 50
Bottle emptying/rinsing	Bottles are emptied, rinsed and filled again on the same bottle position. The rinsing head is installed above the glass bottle.
Sample collection	Swivelling bottle discharge tube which can be turned to the front to drain off the sample into a transport container.
Overall dimensions	1290 (1890*) x 690 x 645 mm or 1400 (2175*) x 800 x 850 mm (hxwx d) *) with opened top
Weight	Approx. 115 kg / 125 kg
Power supply	230 V / 50 Hz, fuse protection 16 A, cable with shock-proof plug 1,5 m
Power requirement	Approx. 350 VA
Optoelectronic coupler input	Analogue, threshold voltage 3,3 V
Ambient temperature	-20°C to + 40°C
All devices are according to ISO 5667	

Subject to technical changes.

*) Patent No. DE 19726 550A, DE19726 549 A1 and VAR unit DE 10008623.3

