

**Sampler model
MAXX SP III-P
- Sludge sampler -**



Structure and characteristics

The sludge sampler SP III-P is designed without housing.

The following components are installed on a PVC plate with VA steel rack for wall mounting (dimensions 900 x 700 mm):

- Microprocessor control with back lit LC-display
- Pneumatic dosing unit, 50 - 500 ml, with inlet and discharge valve (normally closed)
- Metering cylinder to adjust the inlet volume
- Pneumatic system with maintenance unit and electrovalves
- Terminal box for signal input (flow and event) and power supply by means of shock-proof plug

Data sheet	
1. Version with 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
2. Version without housing (wall-mounted)	Stainless steel tube rack with PVC mounting plate.
Control	Microprocessor control with 128KB Eprom, 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.
Overtoltage protection	All inputs are protected against overvoltage
Programming	Time display: Hours, minutes, seconds weekday, day, month, year Time delay: Date and time Sampling: <ul style="list-style-type: none"> •time-related •flow-related (analogue (0/4-20mA) 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 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). Option: Interface kit (socket BN900020 + cable Sub9 BN900021).
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.
Metering vessel	Metering vessel made of plexiglass, volume 50 - 500 ml
Sample bottles	Housing A: 1 x 25 l PE, 1 x 50 l PP, 2 x 10 l PE, 4 x 6.5 l PE, 4 x 10/14 l PE, 12 x 2.9 l PE Housing B: 24 x 2,9 l PE or 24 x 2,0 l glass
1. Version with housing, overall dimensions	Housing A: 1470 (2070*) x 690 x 645 mm (hxwxh) or Housing B: 1525 (2130*) x 930 x 850 mm (hxwxh) *) with opened roof
2. Version without housing (wall mounting)	900 x 700 x 250 mm (hxwxh) - overall dimensions
Weight	Sampler with housing: approx. 100 kg / sampler without housing: approx. 30 kg
Power supply	230 V / 50 Hz, fuse protection min. 10 A, cable with shock-proof plug 1.5 m
Power requirement	Sampler with housing: approx. 250 VA / sampler without housing: approx. 30 VA
Optoelectronic coupler input	Minimum voltage approx. 3 V; 150 Ohm at 20 mA
Ambient temperature	Sampler with housing: -20 to + 40°C Sampler without housing: 0 to + 40°C
All devices are according to ISO 5667	

Subject to technical changes.

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