

SP4 B Fixed site sampler in plastic housing, especially suited for high ambient temperatures. For automatic sample extraction according to the vacuum principle. Mains operation 230V/50Hz.

Housing	Made of PE with 50 mm insulation/Styrosun/PC (GF10). Housing separated in lower part (sample compartment) and upper part (control). Each part with lockable door resp. hood. Protective hood (made of Styrosun) which can be opened for operation of the control unit and service at the dosing unit.
Thermostatic control	Self-contained, automatic cooling and heating of the sample compartment to +4°C independent of the programmable controller, with protection against overheating and automatic defrost cycle, 3-point control.
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.
Languages	Multi-language, selectable
Programming	<p>Time display: Hours, minutes, seconds weekday, day, month, year</p> <p>Sampling: - Time-related - Flow-related analogue (0/4-20mA) or digital - Event-related or in combination Option: flow-proportional</p> <p>Interval: 1 min to 99 h 59min</p> <p>Bottle filling: 1 min to 99 h 59 min</p> <p>Programs: 6 user programs (can be edited freely)</p> <p>Data memory: Logging of sample extraction data and malfunction messages. Option: storage of external data</p>
Interface	RS 232 (internal on CPU board in plug-in version, not led to the outside).
	Option: Profibus/Modbus
Modem	Option: GSM, AT or ISDN modem for program changes, status demand, data fetch or message transmission as SMS.
PC software	Option: PC communication software
Status messages	Option: Sampling, distributor, program active and collective malfunction message by means of potential-free make contacts. Can be extended to up to 8 outputs. In addition, the desired messages (configurable by means of the software) can be transmitted via modem as SMS or text file.

Dosing system	-VACUUM SYSTEM 350/500 ml
Pneumatic unit	Diaphragm pump 12 V / 4 A, vacuum 7,0 m, pressure 1 bar with motor-driven valve system ^{*)} for change-over from pressure/vacuum/aeration. Average suction speed at suction hose ID 12 mm and 5 m suction height > 60 cm/sec. (according to ISO5667).
Distributor system	The distributor systems can be changed easily without the need of tools.
Sample bottles	1 x 25,0 L PE 4 x 14,0 L PE 12 x 2,9 L PE 12 x 2,0 L glass 24 x 1,0 L PE 24 x 1,0 L glass
Dimensions	1.100 x 760 x 745 mm (h x w x d) – overall dimensions -
Weight	Approx. 75 kg
Power supply	230 V / 50 Hz., fuse protection 10 A
Opt. coupler input	Minimum voltage approx. 3,3 V
Power consumption	Approx. 350 VA
Sample temperature	0° C - + 40° C
Ambient temp.	-20° C - + 45° C
Standards	All devices meet ISO 5667 standard
Make:	MAXX
Type:	SP4 B
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