

**SP4 S Fixed site sampler in stainless steel housing with thermostatic control for automatic sample extraction according to the vacuum principle. Mains operation 230V/50Hz.**

Housing	Double-walled stainless steel (material 1.4301) with 40 mm insulation. Housing separated in sample compartment and control compartment, each with lockable door. Upper door with plexiglass window. Protective top made of Styrosun which can be opened for connection and maintenance works. Option: material 1.4571 V4A.
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	Time display: Hours, minutes, seconds weekday, day, month, year Sampling: - Time-related - Flow-related analogue (0/4-20mA) or digital - Event-related or in combination Option: flow-proportional Interval: 1 min to 99 h 59min Bottle filling: 1 min to 99 h 59 min Programs: 6 user programs (can be edited freely) Data memory: Logging of sample extraction data and malfunction messages. Option: storage of external data
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	The following variants are available: <u>Variant 1</u> -VACUUM SYSTEM 350/500 ml  <u>Variant 2</u> -VACUUM SYSTEM <i>automatic</i> Flow-proportional/VAR 40-350 ml  <u>Variant 3</u> -FLOW-THROUGH SYSTEM 250 ml
Pneumatic unit	Diaphragm pump 12 V / 4 A, vacuum 7,0 m, pressure 1 bar with motor-driven valve system <sup>*)</sup> 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 1 x 50,0 L PE 2 x 10,0 L PE (only in combination with 12-position distributor) 4 x 6,0 L PE (only in combination with 12-position distributor) 4 x 10,0 L PE 4 x 14,0 L PE 12 x 2,9 L PE 12 x 2,9 L PE + 1 x 5 L PE (daily composite sample) 12 x 2,0 L glass 24 x 1,0 L PE 24 x 1,0 L glass
Dimensions	1.290 x 690 x 645 mm (h x w x d) – overall dimensions -
Weight	Approx. 100 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
Ambient temp.	-20° C - + 40° C
Standards	All devices meet ISO 5667 standard
Make:	MAXX
Type:	SP4 S
Manufacturer:	MAXX Mess- und Probenahmetechnik GmbH, Hechinger Straße 41, D-72414 Rangendingen Phone +49(0)7471-98481 0, Fax +49(0)7471-98481 44 <b>e-mail:</b> <a href="mailto:info@maxx-gmbh.com">info@maxx-gmbh.com</a> <b>internet:</b> <a href="http://www.maxx-gmbh.com">www.maxx-gmbh.com</a>

Subject to technical changes. \*) Patent No. DE 19726550A1, DE 19726549A1 and VAR unit DE 10008623.3