

SP III Ex Zone 2 Fixed site water sampler in stainless steel housing with thermostatic control. Suitable for hazardous areas of Zone 2, protection class: II 3G EEX nC/R/L IIB T3

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 Plexiglas window. Protective top 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.
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 Interval: 1 min to 15 h Bottle filling: 1 min to 99 h 59 min Programs: 6 user programs (for free editing) Data memory: Logging of sample extraction and messages. Option: storage of external data
Interface	RS 232 (internal on CPU board in plug-in version, not led to the outside), not explosion-proof .
Modem Pay attention to explosion protection	Optional: GSM, AT or ISDN modem for program changes, status demand, data fetch or message transmission as SMS.
PC software	Optional: PC communication software
Status messages	Optional: Sampling, distributor, program active and collective malfunction message by means of potential-free make contacts. Can be extended to up to 10 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	Explosion-proof diaphragm pump 230 V, vacuum 7,0 m, pressure 1 bar, change-over from pressure/vacuum/aeration by means of explosion-proof solenoid valves.
Distributor system	The distributor system 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 4 x 6,0 L PE 4 x 10,0 L PE 4 x 14,0 L PE 12 x 2,9 L PE 12 x 2,0 L Glass
Dimensions	1.470 x 690 x 645 mm (hxwxd) – overall dimensions -
Weight	Approx. 100 kg
Power supply	230 V / 50 Hz., fuse protection 16 A
Optocoupler input	Analogue, minimum voltage 3,3 V
Power consumption	Approx. 350VA
Ambient temp.	-20 – 40°C
Standards	All devices meet the ISO 5667 standard
Make:	MAXX
Type:	SP III Ex Zone 2
Manufacturer:	MAXX Mess- und Probenahmetechnik GmbH, Hechinger Straße 41, D-72414 Rangendingen Phone +49(0)7471-98481 0, Fax +49(0)7471-98481 44 e-mail: info@maxx-gmbh.com internet: www.maxx-gmbh.com

Subject to technical changes.