

SP-4A-Fixed site self-emptying water 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. Consisting of upper part (control unit) and lower part (sample compartment), each with lockable door. Upper door with plexiglass window. Protective top which can be opened for connection and maintenance works.

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.



Language Multi-language, selectable

Programming Time display: Hours, minutes, seconds weekday, day, month, year
Sampling: - Time-related
- Flow-related analogue (0/4-20mA) or digital Option: flow-proportional
- 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. Optional storage of external data

Interface Optional: 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 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.

Overvoltage protection All inputs are protected against overvoltage (lightning protection).

Dosing system The following variants are available

-VACUUM SYSTEM

The sample volume is adjusted manually by means of an adjustable tube. Metering vessel made of glass Duran 50, adjustable volume 20 - 350 ml (optional 20 - 500 ml) with motor-driven pinch valve).

-VARIABLE VACUUM SYSTEM (flow-proportional sampling)

The dosing volume is automatically adapted to an analogue flow signal (0/4-20 mA). Metering vessel made of glass Duran 50, adjustable volume 25 - 450 ml with motor-driven pinch valve).

-FLOW-THROUGH SYSTEM

For flow rates from 3 – 20 l/min. Metering vessel made of glass Duran50, adjustable volume 20 – 250 ml with 2 motor-driven pinch valves)



Mess- und Probenahmetechnik GmbH

Pneumatic unit Diaphragm pump 12 V/ 4 A, vacuum 7,0 m, pressure 1 bar, motor-driven valve system for change-over pressure/vacuum/aeration, average suction speed with suction hose ID 12 mm and 5 m suction height > 60 cm/sec (according to ISO5667).

Sample bottles 12 x 1,6 l glass Duran 50 24 x 2,0 l glass Duran 50

Rinsing/discharge Rinsing head with rinsing water connection $\frac{3}{4}$ ", max. 2 bar, discharge by means of a hose DN25. Bottles are emptied, rinsed and filled on the same bottle position.

Sample collection Swivelling bottle discharge tube which can be turned to the front to drain off the sample into a transport container.

Overall dimensions 1.290 (1890*) x 690 x 645 mm or 1400 (2175*) x 800 x 850 mm (hxwxd) *) with opened top

Weight Approx. 115 kg / 125 kg

Power supply 230 V / 50 Hz, fuse protection 16 A

Optoelectronic coupler Input Analogue, threshold voltage 3,3 V

Power requirement Approx. 350 VA

Ambient temp. -20°C to + 40°C

Standards All devices meet standard ISO 5667

Make: MAXX

Type: SP4 A (self-emptying)

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. *) Patent No. DE 19726550A1, DE 19726549A1
and VAR unit DE 10008623.3

