

Portable water sampler MAXX TP II

Portable sampler in plastic (PE) housing for automatic sampling according to the vacuum principle. Battery-operated 12V/10Ah.

Housing

Plastic (mat. PE), consisting of three parts:

- Insulating base with carrying handles
- Plate with control unit, dosing system and distributor drive
- Cover with latches



Control unit

Microprocessor control with 4 MB Flashrom, 32 KB 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.

The back lighting is activated by pressing any key. If no further key is pressed, the lighting goes out after 1 minute.

Programming

Time display:	hours, minutes, seconds weekday, day, month, year
Sampling:	-time-related -flow-related - analogue (0/4-20mA) - 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 data and messages Option: storage of external data
Languages:	multi-language, selectable

Interfaces

Option: 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.
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 with motor-driven pinch valve*) -VARIABLE VACUUM SYSTEM (flow-proportional sampling) The dosing volume is <u>automatically adapted</u> to an <u>analogue</u> flow signal (0/4-20 mA). Metering vessel made of glass Duran 50, adjustable volume 25 - 450 ml with motor-driven pinch valve*)
Number of samples	approx. 2000 (determined at 20° C ambient temp., suction depth 1,5 m, sampling interval 1 min. with distributor advance)
Pneumatic unit	Diaphragm pump 12 V / 0,7 A, vacuum 6,0 m, pressure 0,8 bar. Motor-driven valve system*) for change-over pressure/vacuum/aeration.
Sample bottles	10 l composite container or 24 x 1 l bottles
Dimensions	680 x 460 mm (hxd)
Weight	approx. 28 kg (storage battery included)
Electric power supply	12 V / 0,8 A, battery-operated (storage battery with 12 V / 10 Ah) or connected to a mains by means of the battery charger (protection category IP 20 or IP 65).
Ambient temp.	0° C to + 40° C

Subject to technical changes

*) Patent No. DE 19726 550A1 and DE19726 549 A1 and VAR unit DE 10008623.3

