

Portable water sampler model MAXX TP I

Portable sampler in stainless steel housing for automatic sample extraction according to the vacuum principle. Battery-operated 12V/10Ah.

Housing Stainless steel (mat. 1.4301) with carrying handle. Lockable plexiglass door.

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 - analog (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

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.

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	At least 2000 (determined at 20°C ambient temp., 1,5 m suction height, 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	The sampler can be mounted on any composite container or operated in combination with the optional ISOBOX (insulating box) and distributor: 1 x 10 l PE, 2 x 5 l PE, 12 x 1 l PE , 12 x 1,0 l glass, 24 x 0,4 l PE
Dimensions	Sampler: 400 x 405 x 230 mm (hxwxd) Insulating box: 400 x 600 x 300 mm (hxwxd)
Weight	Sampler: approx. 13 kg (storage battery included) Insulating box: depending on number of bottles
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

Can be combined with:

passive



or

active Isobox



Subject to technical changes

*) Patent No. DE 19726550A1, DE19726 549 A1 and VAR unit DE 10008623.3