MAXX TP5 C
portable sampler as compact device with integrated distributor and 24 bottles for fully automatic sampling according to the vacuum or peristaltic-pump principle.
Battery—operated 12V/10Ah. Passive or Active Cooling Box

Type	Portable sampler
Housing	PE / PC (GF10)
Thermostatic control	Insulated base (sample compartment) (insulation thickness 40 mm) Option: freezer packs (200x10x8 mm) Option: compressor cooling (12V/115V/230V)
Control	Microprocessor control, Sleep-Mode (<5mA), power supply 8-16 V foil keyboard (with keys 0-9, ESC, ENT, cursor), graphical display (128*64 Pixel), back lit
Data logger	3000 entries, non-volatile data memory; storage of sampling and malfunction data like sample extractions, bottle changes, messages, external signals. optional with WEB-board 100 MB (2 Year ring memory-FIFO at 1 min interval)
Programming	12 freely programmable user programs, with function to link programs.
Program start options	- IMMEDIATELY; - DATE/TIME - WEEKDAY/TIME; - BY AN EXTERNAL SIGNAL
Program End/Stop options	End of sampling program - AFTER 1 RUN - AFTER X RUNS - CONTINUOUS OPERATION - DATE/TIME
Pause mode	Interruption of program run at any time
Overfilling protection	Adjustable from 1–999 samples/bottles
Interval setting	1 min. to 99 h 59 min. in steps of 1 minute
Pulse setting	1 to 9999 pulses/sample
Manual sample extraction	Possible at any time without interrupting the current program run
Program protection	Up to 5 years after voltage loss
Interface	Mini-USB, optional: Ethernet RJ45, SDI-12
Communication	**1. Connection via USB and PC (as standard)** • maxxwareConnect® **has to be** installed on the PC • Connection to the sampler via USB/Mini USB cable • remote control of the sampler • visualization of downloaded data • download and saving of data as PDF, CSV or XLS, or ODT, TXT Format • print-out of data directly as PDF Format • backup of all preprogramed programs from the sampler • setting and saving of programs in offline mode. Upload in online mode • Read out, changing, saving or upload of all sampler programs (1-12) • recovery of saved programs. or **optional:** **2. Web Modul LTE-Router / LAN RJ45** • Linux OS

	• TCP/IP (RJ45) • recording of all CPU Data (like data of sampling cycle, bottle report, error log, temperature etc.) • visualization via Web interface • Data-export (PDF, CSV, XLS, ODT, TXT) • E-Mail messaging • FTP-Push • Modbus TCP • Upgrade Sampler-Firmware
Languages	Multi-language, selectable
Signal inputs	• 2 x analog: 0/4-20 mA, • 8 x digital (flow, event, 1 input can be programmed freely) **option**: expandable with 4x digital, 3 inputs can be programmed freely, - Impulselength 50ms - working resistance 500 Ohm (analog signal)
Signal outputs / status messages	• 8 digital outputs, 1x of them as collective malfunction message (Relay optional) **option**: expandable with 8 digitals, 5 are freely programmable (in total 6 messages)
Sampling method	- Vacuum system **plastic dosing unit** 15 - 320 ml • with motorized valve system for pressure-vacuum switching • with a motorized pinch valve on the outlet dosing vessel optional: vacuum system **glass dosing unit** 15 - 290 ml Option: peristaltic pump 10-10.000 ml (flow-proportional) **only available** for bottle variants 1x10L/1x25L/4x5L!
volume accuracy	Vacuum system: < 2,5 % or +/- 3 ml Peristaltic pump: +- 5 % at 250ml average of a set of 10 samples
Maximum Lift / Suction height	**Vacuum system:** max. 6,5 m (at 1013h Pa), optional 8,5 m or 15 m (Power Booster) **Peristaltic pump:** max. 8 m (at 1013h Pa)
Pumping speed	>0,5 m/s (average velocity) at suction height up to 5 m (at 1013h Pa);
Suction hose	PVC, L=5 m, ID=10 mm, max. hose length 30 m
Sampling modes	-**Time**-related, • Constant Time, Constant Volume (**CT, CV**) - **Flow**-dependent, • Variable Time, Constant Volume (**VT, CV**) standard for peristaltic pump, *option* for Vacuum • Constant Time, Variable Volume (**CT, VV**) (Flow modes are controlled by an external flowmeter signal) - **Event**-related and - **Manual** sample extraction.
Bottle variants	1 x 10 L PE 1 x 25 L PE 2 x 13 L PE 4 x 5 L PE 16 x 1 L PE incl. freezer packs - only for Vacuum system! 24 x 1 L PE (standard version) - only for Vacuum system! 24 x 1 L Glass

Overall dimensions	(Hxwxd) 787 x 510 x 468 mm /Insulating box passive 1028 x 550 x 468 mm / Insulating box **active** (with compressor cooling)
Weight	Approx. 25 kg 24x1 L - **Isobox with passive cooling** Approx. 40 kg 24x1L - **Isobox with active compressor cooling** (device incl. battery, empty bottles but no suction hose)
Power supply	**Sampler**: 12 V/ 10 Ah lead storage battery (maintenance-free, leak proof); 115V or 230V operation by means of battery charger in buffer mode. Range 11-14V; power consumption max. 30 W **Cooling Box**: ➢ 230V/115 V 50/60 Hz ➢ 12V battery (e.g. solar battery with at least 90 Ah) **Note**: the power supply is independent of the sampler
Power requirement / number of samples	**Sampler**: Up to 2000 sample extractions per battery charge, according to ambient conditions. **active cooling Box**: Power requirement with option "active cooling" according to ambient conditions. approx. 50W. (with 90 Ah battery, 20°C ambient, sampling 3x/h = running time of cooling system approx. 49h)
Ambient temperature	0 – 50° C 0 bis + 35°C for variant „Isobox active“ + additional shading
Sample temperature	0 – 40° C
Standards	CE Sampling according to ISO 5667-10, EN16479
Wetted materials	PC, PVC, Silicone, PS, PE

Make: **MAXX**

Type: **TP5 C**

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