MAXX TP5 P
compact portable sampler which can be combined with any type of composite container or an insulating box (isobox) with active or passive cooling. Fully automatic sampling according to the vacuum principle. Battery-operated 12V/10Ah.

Type	Portable sampler
Housing	PS / PC (GF10)
Thermostatic control	Option: in combination with insulating box, freezer packs or 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, RS 232 optional: Ethernet RJ45, SDI-12
Communication	**LAN / WLAN / GPRS-UMTS** optional: **1. Connection via USB and PC** • maxxwareConnect® **has to be** installed on the PC • Connection to the sampler via USB/MiniUSB cable • remote control of the sampler • visualization of downloaded data • download and saving of data as PDF, CSV or XLSX 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. **2. LAN Modul RJ45** via TCP/IP and IE-Browser • ARM9-SoC • 32MB RAM

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	• 100 MB Data Memory ((2 Year ring memory-FIFO at 1 min interval) • 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) • E-Mail error messaging or alternatively **3. LAN Modul RJ45 + GPRS/UMTS Router** • ARM9-SoC • 32MB RAM • 100 MB Data Memory ((2 Year ring memory-FIFO at 1 min interval) • 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) • E-Mail error messaging additionaly + Fully integrated Router (industrial standard) + UMTS / GPRS + SIM card holder + E-Mail error messaging + antenna
Languages	Multi-language, selectable
Signal inputs	• 2 x analogue: 0/4-20 mA, • 8 x digital (flow, event, 1 inputs can be programmed freely) option: expandable with 4x digital, 3 inputs can be programmed freely, and 8x analogue 0- 20 mA or 0-10 V, Impulslength 60ms, switching level 7-24 V, max. working restistance 500 Ohm, max. length of signalcable 30 m
Signal outputs / status messages	• 8 digital outputs, 1x of them as collective malfunction message (Relay optional) option: expandable with 8 digital, 5 are freely programmable (in total 6 messages)
Sampling method	-Vakuum-System 20-350 ml
Single sample volume accuracy	Vacuum system: < 2,5 % or +- 3 ml
Suction height	Max. 6,5 m (at 1013hPa) option: 8 m
Pumping speed	>0,5 m/s at suction height up to 5 m (at 1013h Pa); pump capacity can be adjusted electronically
Suction hose	PVC, L=5 m, ID=10 mm. Max. hose length 30 m
Sampling modes	Time-related, flow-dependent, event- related and manual sample extraction.
Bottle variants	Option: 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 24 x 1 L PE

Overall dimensions	Sampler (hxwxd) 442 x 452 x 222 mm Isobox with **passive** cooling (hxwxd) 534x510x430 Isobox with **active** cooling (hxwxd) 775x550x468
Weight	Sampler: approx. 10 kg Isobox, **passive** cooling (24x1 L): approx. 11 kg Isobox, **active** cooling (24x1 L): approx. 25 kg
Power supply	12 V/ 7,5 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
Power requirement / number of samples	Up to 2000 sample extractions per battery charge, according to ambient conditions. Power requirement with option "active cooling" approx. … according to ambient conditions. Aprox.. 50W. (with 90 Ah battery, 20°C ambient, sampling 3x/h = running time of cooling system aprox. 49 h)
Ambient temperature	0 – 45° C
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 P**

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Subject to technical changes.
*) Patent No. DE 19726550A1, DE 19726549A1 and VAR (variable) unit DE 10008623.3