

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, nonvolatile data memory; storage of sampling and malfunction data like sample extractions, bottle changes, messages, external signals. optional with I/O add-on-board expandable to 32GB
Programming	12 freely programmable user programs, with function to link programs.
Program start options	Immediately; at a certain time; by an external signal
Program stop options	End of sampling program after one program run; continuous operation or x-runs
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, RS422/485, RS 232 optional: Ethernet RJ45
Communication	Optional: LAN/WLAN via TCP/IP RJ45, with IE-Browser, memory 4-32GB SD/SDHC
Languages	Multi-language, selectable
Signal inputs	<ul style="list-style-type: none"> • 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 resistance 500 Ohm, max. length of signalcable 30 m
Signal outputs / status messages	<ul style="list-style-type: none"> • 8 digital outputs, 1x of them as collective malfunction message 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 Peristaltic pump: +- 5 % or +- 5 ml
Suction height	Max. 6,5 m (at 1013hPa) option: 8 m

Pumping speed	>0,5 m/s at suction height up to at least 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. Option: flow-proportional
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 5667-2/3-10
Wetted materials	PC, PVC, Silicone, PS, PE

Make: **MAXX**

Type: **TP5 P**

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Subject to technical changes.

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