

**MAXX TP5 C**

**portable sampler as compact device with integrated distributor and 24 bottles for fully automatic sampling according to the vacuum principle. Battery—operated 12V/10Ah.**

Type	Portable sampler
Housing	PE / PC (GF10)
Thermostatic control	Insulated lower part (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, 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"> <li>• 2 x analogue: 0/4-20 mA,</li> <li>• 8 x digital (flow, event, 1 inputs can be programmed freely)</li> </ul> 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"> <li>• 8 digital outputs, <b>1x</b> of them as collective malfunction message option: expandable with 8 digital, <b>5</b> are freely programmable (in total <b>6</b> messages)</li> </ul>
Sampling method	<ul style="list-style-type: none"> <li>-Vacuum system 20-350 ml</li> <li>-Vacuum VAR (variable) system 5-250 ml</li> <li>-Peristaltic pump</li> </ul>
Single sample volume accuracy	<ul style="list-style-type: none"> <li>Vacuum system: &lt; 2,5 % or +- 3 ml</li> <li>Peristaltic pump: +- 5 % or +- 5 ml</li> </ul>
Suction height	<ul style="list-style-type: none"> <li>Max. 6,5 m (at 1013h Pa)</li> <li>option: 8 m</li> </ul>
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	<ul style="list-style-type: none"> <li>Time-related, flow-dependent, event-related and manual sample extraction.</li> <li>Option: flow-proportional</li> </ul>
Bottle variants	<ul style="list-style-type: none"> <li>1 x 10 L PE</li> <li>1 x 25 L PE</li> <li>2 x 13 L PE</li> <li>4 x 5 L PE</li> <li>16 x 1 L PE incl. freezer packs</li> <li>24 x 1 L PE (standard version)</li> </ul>
Overall dimensions	<ul style="list-style-type: none"> <li>(Hxwxd)</li> <li>787 x 510 x 468 mm / Insulating box passive</li> <li>1028 x 550 x 468 mm / Insulating box active (with compressor cooling)</li> </ul>
Weight	<ul style="list-style-type: none"> <li>Approx. 25 kg 24x1 L - <b>Isobox with passive cooling</b></li> <li>Approx. 40 kg 24x1L - <b>Isobox with compressor cooling</b></li> <li>(device incl. battery, empty bottles but no suction hose)</li> </ul>
Power supply	<ul style="list-style-type: none"> <li><b>Sampler:</b></li> <li>12 V/ 10 Ah lead storage battery (maintenance-free, leak proof);</li> <li>115V or 230V operation by means of battery charger in buffer mode. Range 11-14V; power consumption max. 30 W</li> <li><b>Cooling Box:</b> 230V 50 Hz (115V by request) or 12V battery (solar battery with at least 90 Ah)</li> </ul>

Power requirement / number of samples	<b>Sampler:</b> Up to 2000 sample extractions per battery charge, according to ambient conditions. <b>Cooling Box:</b> Power requirement with option "active cooling" approx. ... according to ambient conditions. Aprox.. 50W. <b>[with 90 Ah battery, 20°C ambient, sampling 3x/h = running time of cooling system approx. 49h]</b>
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 C**

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Subject to technical changes.

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