

MAXX SP5 B

Fixed site sampler in **plastic housing**, especially suited for high ambient temperatures.
For automatic sample extraction according to the **vacuum** or **peristaltic pump** principle.
Mains operation 230V/50Hz.

Type	Fixed site sampler
Housing	Made of PE with 50 mm insulation/Styrosun/PC (GF10). Housing separated in lower part (sample compartment) and upper part (control). Each part with lockable door resp. hood. Protective hood (made of Styrosun) which can be opened for operation of the control unit and service at the dosing unit.
Thermostatic control	Self-contained, controlled cooling / heating with 4 settings, no-frost. independent of the programmable controller, Temperature in sample compartment: 5°C, +/- 2° ¹ (adjustable 0,0-9,9°C)
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/bottle
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 optional: Modbus, Profibus DP Connection
Communication	1. Connection via USB and PC (as standard) <ul style="list-style-type: none"> • 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 preprogrammed 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.

¹ Related to the European norm EN16479

	<p>or optional: 2. Web Modul LTE-Router / LAN RJ45</p> <ul style="list-style-type: none"> • 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 <p>or optional: Profibus DP</p>
Languages	Multi-language, selectable
Signal inputs	<ul style="list-style-type: none"> • 2 x analog: 0/4-20 mA, • 8 x digital (flow, event, 1 input can be programmed freely) <p>option: expandable with 4x digital, 3 inputs can be programmed freely,</p> <ul style="list-style-type: none"> - Impulselength 50ms - working resistance 500 Ohm (analog signal)
Signal outputs / status messages	<ul style="list-style-type: none"> • 8 digital outputs, 1x of them as collective malfunction message (Relay optional) <p>option: expandable with 8 digitals, 5 are freely programmable (in total 6 messages)</p>
Sampling method	<p>-Vacuum system plastic dosing unit 15 - 320 ml Option: vacuum system glass dosing unit 20 - 350 ml Option: vacuum VAR flow-proportional system 5-250 ml Option: peristaltic pump 10-10.000 ml (flow-proportional)</p>
volume accuracy	<p>Vacuum system: < 2,5 % or +/- 3 ml Peristaltic pump: +/- 5 % at 250 ml average in a set of 10 samples</p>
Suction height	<p>Vacuum system: max. 7,5 m (at 1013h Pa), optional 8,5 m or 15 m (Power Booster) Peristaltic pump: max. 8 m (at 1013h Pa)</p>
Pumping speed	>0,5 m/s (average velocity) at suction height up to 6 m (at 1013h Pa);
Suction hose	PVC, L=5 m, ID=10 mm. Max. hose length 30 m
Sampling modes	<p>-Time-related, • Constant Time, Constant Volume (CT, CV)</p> <p>- Flow-dependent, • Variable Time, Constant Volume (VT, CV) standard for peristaltic pump, <i>option</i> for Vacuum • Constant Time, Variable Volume (CT, VV) (Flow modes are controlled by an external flowmeter signal)</p> <p>- Event-related and - Manual sample extraction.</p>
Bottle variants	<p>Plastic 1 x 25 L 4 x 14 L 4 x 10 L 12 x 2,9 L, 24 x 1,0 L</p>

	Glass 12 x 2,0 L 24 x 1,0 L
Overall dimensions	(Hxwxd) 1.100 (1.640*) x 760 x 745 mm *) with opened top
Weight	Approx. 75 kg with composite container, higher weight when using several bottles and/or glass bottles
Power supply	230 V / 115 V /AC
Power requirement	Approx. 350VA (with cooling)
Ambient temperature	-20 – 50°C
Sample temperature	0 – 40°C
Standards	CE Sampling according to ISO 5667-10, EN16479
Wetted materials	PC, PVC, Silicone, PS, PE, EPDM (optional: metering vessel glass Duran50, sinker weight SS304)

Make: **MAXX**

Type: **SP5 B**

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