

## MAXX SP5 B 2x10 A, Self-Emptying Measuring station

Fixed site sampler in plastic housing, especially suited for high ambient temperatures.

For automatic sample extraction according to the vacuum pump principle, 2x10 L selfemptying. Mains operation 230V/50Hz.

Type	Fixed site sampler with Measuring pot
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: 4°C (adjustable from 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, RS 232 optional: Ethernet RJ45, SDI-12
Communication (option)	Optional: <b>Modbus, Profibus DP Connection</b> <b>or</b> <b>LAN / WLAN / GPRS-UMTS</b> optional: <b>1. Connection via USB and PC</b> <ul style="list-style-type: none"> <li>• maxxwareConnect® has to be installed on the PC</li> <li>• Connection to the sampler via USB/MiniUSB cable</li> <li>• remote control of the sampler</li> <li>• visualization of downloaded data</li> <li>• download and saving of data as PDF, CSV or XLSX Format</li> <li>• print-out of data directly as PDF Format</li> <li>• backup of all preprogramed programs from the sampler</li> <li>• setting and saving of programs in offline mode. Upload in online mode</li> <li>• Read out, changing, saving or upload of all sampler programs (1-12 )</li> <li>• recovery of saved programs.</li> </ul>

	<p><b>2. LAN Modul RJ45</b> via TCP/IP and IE-Browser</p> <ul style="list-style-type: none"> <li>• ARM9-SoC</li> <li>• 32MB RAM</li> <li>• 100 MB Data Memory ((2 Year ring memory-FIFO at 1 min interval)</li> <li>• Linux OS</li> <li>• TCP/IP (RJ45)</li> <li>• recording of all CPU Data (like data of sampling cycle, bottle report, error log, temperature etc.)</li> <li>• visualization via Web interface</li> <li>• Data-export (PDF, CSV, XLS)</li> <li>• E-Mail error messaging</li> </ul> <p><u>or alternatively</u></p> <p><b>3. LAN Modul RJ45 + GPRS/UMTS Router</b></p> <ul style="list-style-type: none"> <li>• ARM9-SoC</li> <li>• 32MB RAM</li> <li>• 100 MB Data Memory ((2 Year ring memory-FIFO at 1 min interval)</li> <li>• Linux OS</li> <li>• TCP/IP (RJ45)</li> <li>• recording of all CPU Data (like data of sampling cycle, bottle report, error log, temperature etc.)</li> <li>• visualization via Web interface</li> <li>• Data-export (PDF, CSV, XLS)</li> <li>• E-Mail error messaging</li> </ul> <p>additionally</p> <ul style="list-style-type: none"> <li>+ Fully integrated Router (industrial standard)</li> <li>+ UMTS / GPRS</li> <li>+ SIM card holder</li> <li>+ E-Mail error messaging</li> <li>+ antenna</li> </ul>
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> <p>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</p>
Signal outputs / status messages	<ul style="list-style-type: none"> <li>• 8 digital outputs,</li> </ul> <p>1x of them as collective malfunction message (Relay optional)  option: expandable with 8 digital, 5 are freely programmable (in total 6 messages)</p>
Sampling method	Double-Vacuum-Sytem with 2 dosing vessels each 500ml in glass (Duran50), For quasi-continuous filling of the built-in measuring pot with sample-medium.
Single sample volume accuracy	Vacuum system: < 2,5 % or +/- 3 ml
Measuring pot	Made of PVC with 3 Litre volume, and with a lid for mounting the electrodes and with a siphon drain DN 25
Suction height	Max. 7,5 m (at 1013hPa and stagnant medium), optional 8,5 m or 15 m (Power Booster)
Pumping speed	>0,5 m/s at suction height up to 6 m (at 1013h Pa); pump capacity can be adjusted <b>electronically</b>
Suction hose	PVC, L=7,5 m, ID=10 mm. Max. hose length 30 m

Sampling modes	Time-related
Bottle variants	2 x 10 L Self emptying (optional: rinsing system )
Overall dimensions	(Hxwx d) 1.100 (1.640*) x 760 x 745 mm *) with opened top
Weight	Approx. 90 kg
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 2x10 A, Measuring station**

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