

SP5 A Zone2 2x10 SELFEMPTYING

Fixed site self-emptying water sampler in **stainless steel housing** with **thermostatic control** for automatic sample extraction according to the vacuum principle. Mains operation **230V/50Hz**. Suitable for hazardous areas of **Zone 2**, **protection class: II 3G EEX nC/R/L IIB T3**

Type	Self-emptying fixed site sampler
Housing	Double-walled stainless steel (material 1.4301/ SS304) with 40 mm insulation. Housing separated in sample compartment and control compartment, each with lockable door. Upper door with plexiglass window. Protective top which can be opened for connection and maintenance works. Option: material 1.4571/ SS316Ti; SS304 EPOXY-coated; SS316Ti EPOXY-coated
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, nonvolatile data memory; storage of sampling and malfunction data like sample extractions, bottle changes, messages, external signals.
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 Pay attention to explosion protection
Communication	Optional: MODBUS connection Optional: LAN/WLAN via TCP/IP RJ45, Pay attention to explosion protection
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 resistance 500 Ohm, max. length of signalcable 30 m Pay attention to explosion protection

Signal outputs / status messages	<ul style="list-style-type: none"> • 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) possible status messages: - program active, - program stop, - sampling active, - bottle change, fault messages, as: - general malfunction, - error electrodes, - error suction,max. - sample/bottle, - error analog signal, - power failure, - internal temperature, - suction time <p>Messages send by solid state relay for switching 230V</p>
Sampling method	-Vacuum system 20-350 ml Option: bypass system 20-250 ml (compressed air necessary)
Single sample volume accuracy	Vacuum system: < 2,5 % or +/- 3 ml
Suction height	Max. 6 m (at 1013hPa and stagnant medium) But ready and already prepared for the MAXX POWER-BOOSTER SUCTION SYSTEM for suction height up to 11m
Pumping speed	>0,5 m/s at suction height up to at least 6(at 1013h Pa); pump capacity can be adjusted electronically
Suction hose	PVC, L=7,5 m, ID=10 mm. Max. hose length 20 m
Sampling modes	Time-related, flow-proportional, event-related, manual sample extraction
Bottle variants	2 x 10 L PE 4 x 5 L PE
Rinsing/discharge	Rinsing head with rinsing water connection $\frac{3}{4}$ " , max. 2 bar, discharge by means of a hose DN25. Bottles are emptied, rinsed and filled on the same bottle position.
Sample collection	Swivelling bottle discharge tube which can be turned to the front to drain off the sample into a transport container.
Overall dimensions	(Hxwxd) 2 x 10 L , 4 x 5 L, 12 x 1,6 L: 1290 (1930*) x 690 x 645 mm *) with opened top
Weight	Approx. 115 kg with bottle option 2 x 10 L PE; higher weight with other bottle and/or glass bottle options
Power supply	230 V / 115 V /AC
Power requirement	Approx. 350VA (with cooling)
Current consumption	Approx. 1,5A
Ambient temperature	-10 – 40°C
Sample temperature	0 – 30°C
Standards	CE Sampling according to ISO 5667-10, EN16479, ATEX
ex-proof classification	II 3G EEX nC/R/L IIB T3

Wetted materials	PC, PVC, Silicone, PS, PE, EPDM (optional: metering vessel glass Duran50, sinker weight SS304)
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Make: MAXX

Type: SP5 A Zone 2, 2x10 (self-emptying), II 3G EEX nC/R/L IIB T3

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