MAXX SP5Ex ZONE2
Fixed site water sampler in stainless steel housing with thermostatic control.
Suitable for hazardous areas of Zone 2, protection class: II 3G EEX nC/R/L IIB T3

Type	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. Protective top which can be opened for connection and maintenance works. Option: material 1.4571/ SS316Ti or SS304/ 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	Not connected due to ATEX certification
Communication	Not connected due to ATEX certification **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 restistance 500 Ohm, max. length of signalcable 30 m **Pay attention to explosion protection**
Signal outputs / status messages	• 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)

MAXX Mess- und Probenahmetechnik GmbH,
Hechinger Straße 41, D-72414 Rangendingen
www.maxx-gmbh.com

Sampling method	-Vacuum system 20-350 ml Option: bypass system 20-250 ml (compressed air necessary) Explosion-proof diaphragm pump 230 V, vacuum 7,0 m, pressure 1 bar, change-over from pressure/vacuum/aeration by means of explosion-proof solenoid valves.
Single sample volume accuracy	Vacuum system: < 2,5 % or +/- 3 ml
Suction height	Max. 6 m (at 1013hPa and stagnant medium)
Pumping speed	>0,5 m/s at suction height up to at least 3 m (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-dependent, event-related, manual sample extraction
Bottle variants	Plastic 1 x 25 L, 1 x 50 L, 2 x 10 L 4 x 6,0 L, 4 x 10 L, 4 x 14 L 12 x 2,9 L Glass 12 x 2,0 L
Overall dimensions	(Hxwxd) 1.470 (2245*) x 690 x 645 mm *) with opened top
Weight	Approx. 100 kg mit composite container, higher weight when using several bottles and/or glass bottles
Power supply	230 V / 115 V /AC
Power requirement / number of samples	Approx. 350VA (with cooling)
Ambient temperature	-20 – 43° C
Sample temperature	0 – 40°C
Standards	CE Sampling according to ISO 5667-10, EN16479, ATEX
Wetted materials	PC, PVC, Silicone, PS, PE, EPDM (optional: metering vessel glass Duran50, sinker weight SS304)

Make: **MAXX**

Type: **SP5 Ex Zone 2 / protection class: II 3G EEX nC/R/L IIB T3**

Manufacturer:

MAXX Mess- und Probenahmetechnik GmbH,
Hechinger Straße 41, D-72414 Rangendingen
Phone +49(0)7471-98481 0, Fax +49(0)7471-98481 44
e-mail: info@maxx-gmbh.com
internet: www.maxx-gmbh.com

Subject to technical changes.