

**MAXX SP5 DK
 SAMPLER FOR PRESSURE LINES up to 20 bar**

Fixed site water sampler without housing (wall-mounted unit) or as version in stainless steel housing with thermostatic control for automatic sample extraction from pressurised lines up to 20 bar. Mains operation 230V/50Hz.

Type	Fixed site sampler for sample medium with high solids content (sludge sampler) and for sampling from pressurised lines
Housing	<p>Option 1: Version without housing (PVC / stainless steel)</p> <p>Option 2: Double-walled stainless steel (material 1.4301) with 40 mm insulation. Consisting of upper part (control unit) and lower part (sample compartment), each with lockable door. Upper door with plexiglass window. Protective top which can be opened for connection and maintenance works. (materials: 1.4301/SS304; 1.4571/ SS316Ti; SS304 EPOXY-coated.; SS316 Ti EPOXY-coated)</p> <p>Note: In the cabinet version, the dosing system is located outside of the cabinet. In order to keep the dead volume low, the dosing system must be mounted as close as possible to the pressure line</p>
Thermostatic control	In combination with stainless steel housing: self-contained, controlled cooling/heating with 4 settings, no-frost. 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. 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	End of sampling program after one program run; continuous operation
Overfilling protection	Adjustable from 1–999 samples/bottle
Interval setting	1 min. to 99 h59 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: Modbus, connection via DP PROFIBUS Optional: LAN/WLAN via TCP/IP RJ45, with IE-Browser, memory 4-32GB SD/SDHC
Languages	Multilanguage, selectable
Signal inputs	<ul style="list-style-type: none"> • 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

Signal outputs / status messages	• 8 digital outputs, 1x of them as collective malfunction message option: expandable with 8 digital, 5 are freely programmable (in total 6 messages)
Sampling method	2x 2/2 Double ball valve system with dosing tube mounted between the two valves. Standard volume 100 ml, other volumes available upon request
Single sample volume accuracy	< 2,8 %
Suction height	--
Pumping speed	--
Suction hose	Inlet: inside thread 1 1/4" Outlet: hose nozzle DN40 other dimensions possible at small volumes
Sampling modes	Time-related, flow-dependent, event-related, manual sample extraction
Bottle variants	1 x 25 L PE In stainless steel housing: 1 x 25 LPE 4 x 14 L PE/4 x 6,3 L PE 12 x 2,9 L PE
Overall dimensions	Wall-mounted version: control unit (hxwxd) 350 x 450 x 170 mm dosing unit (hxwxd) 570 x 120 x 200 mm Version in stainless steel housing (hxwxd) 1.290 (1.890*) x 690 x 645 mm *) with opened top
Weight	Approx. 15 kg (wall-mounted version); Min. 100 kg (version with stainless steel housing)
Power supply	230 V / 115 V /AC
Power requirement	Approx. 50VA; approx. 350VA (with cooling)
Ambient temperature	0 – 45° C
Sample temperature	0 – 40° C
Standards	CE
Wetted materials	PVC, steel (1.4408, 1.4401), PTFE

Make: MAXX

Type: SP5 DK (Sampler for pressure lines)

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