

SAMPLER FOR PRESSURE LINES up to 20 bar

SP4 DK 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.

1. Wall mounted unit (no housing)	PVC - mounting plate
2. Version with housing	<p>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.</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> <p>Thermostatic control (only with the housing.) Self-contained, automatic cooling and heating of the sample compartment to +4°C independent of the programmable controller, with protection against overheating and automatic defrost cycle.</p>
Control	Microprocessor control with 4 MB Flashrom, 32KB RAM (battery-buffered), 32 KB EEPROM, 3 digital inputs and 8 digital outputs, 1 configurable analogue input, battery-buffered real-time clock. Operation by means of a waterproof foil keyboard (with keys 0-9, ESC, ENT, cursor) and 4 x 20 character back lit LC-display.
Language	Multi-language, selectable
Programming	<p>Time display: Hours, minutes, seconds weekday, day, month, year</p> <p>Sampling: - Time-related - Flow-related analogue (0/4-20mA) or digital - Event-related or in combination</p> <p>Interval: 1 min to 15 h</p> <p>Bottle filling: 1 min to 99 h 59 min</p> <p>Programs: 6 user programs (for free editing)</p> <p>Data memory: Logging of sample extraction and messages. Optional storage of external data</p>
Interface	RS 232
Modem	Optional: GSM, AT or ISDN modem to change the programming, for a status fetch, a data fetch or a message transmission as SMS.
PC software	Optional: PC software (Win98, NT, XP) for parameterization, status control, data fetch and direct storage as excel file/text file/PDF file.
Status messages	Optional: Sampling, distributor, program active and collective malfunction message by means of potential-free make contacts. Can be extended to up to 10 outputs.

In addition, the desired messages (configurable by means of the software) can be transmitted via modem as SMS or text.

Dosing system	2x 2/2-ball valves up to 20 bar and volume tube between, - connection cable between controller and dosing system - dosing volume 100 ml fix (other volumes by request)
Distributors	only in combination with stainless steel housing! The distributors can be retrofitted easily without any tools.
Sample bottles	1 x 25 l PE 4 x 6,5 l PE (in combination with 12-step distributor) 4 x 14 l PE 12 x 2,9 l PE 12 x 2,0 l PE
Overall dimensions	a) Wall mounted unit (no housing) • control unit 350 x 450 x 170 mm (hxwxd) • Dosing system 570 x 120 x 200 mm (hxwxd) b) Version with housing 1.290 (1.890*) x 690 x 645 mm (hxwxd) * with opened top
Weight	Sampler without housing: approx. 15 kg Sampler with housing: approx. 100 kg
Power supply	230 V / 50 Hz, fuse protection 16 A
Optoelectronic coupler input	Analogue, threshold voltage 3,3 V
Power requirement	Approx. 350 VA
Ambient temp.	Sampler without housing: 0°C to + 40°C Sampler with housing: -20°C to + 40°C
Make:	MAXX
Type:	SP4 DK (Sampler for pressure lines)
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