

COMPACT SAMPLER SP5

Fixed site sampler in plastic housing, especially suited for high ambient temperatures. For automatic sample extraction according to the vacuum principle. Mains operation 230V/50Hz.



Type:	fixed site sampler
Housing:	PE with 50 mm insulation/PS/PC (GF10)
Thermostatic control:	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, foil keyboard [128 x 64 Pixel], back lit
Data logger:	3000 entries, nonvolatile data memory; expandable to 32GB
Programming:	12 freely programmable user programs, with function to link programs.
Interface:	Mini-USB, RS422/485, RS 232; optional: Ethernet RJ45
Communication:	optional in combination with PC software, LAN/WLAN TCP/IP
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 0–1.0 V, Impuls length 60ms, switching level 7–24 V, max. working resistance 500 Ohm, max. length of signalcable 30 m
Signal outputs:	8 digital outputs, 1x of them as collective malfunction message option: expandable with 8 digital, 5 are freely programmable
Sampling method:	vacuum system 20–350 ml option: vacuum VAR flow-proportional system 5–250 ml option: peristaltic pump
Suction height:	max. 5 m (at 1.013 hPa and stagnant medium), optional 8,5 m
Pumping speed:	> 0,5 m ³ /s at suction height up to at least 6 m (at 1.013 hPa); pump capacity can be adjusted electronically
Suction hose:	PVC, L = 5 m, ID = 10 mm (max. hose length 30 m.)
Sampling modes:	time, flow-dependent, event-related and manual sample extraction. option: flow-proportional
Bottle variants:	plastic: 1 x 25 L; 4 x 14 L; 4 x 10 L; 12 x 2,9 L; 24 x 1 L; 24 x 1 L glass: 12 x 2 L; 24 x 1L
Overall dimensions:	[hwxwd] 1.100 (1.640 with opened top) x 760 x 775 mm
Weight:	approx. 75 kg with composite container, higher weight when using several bottles and/or glass bottles
Power supply:	230 V/115 V/AC
Power requirement:	approx. 350 VA (with cooling)
Ambient temperature:	-20°–45° C
Sample temperature:	0°–40° C
Standards:	CE; sampling according to ISO 5667-2/3-10



Type	Fixed site sampler
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, 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	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, 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	Multi-language, 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 restistance 500 Ohm, max. length of signalcable 30 m
Signal outputs / status messages	<ul style="list-style-type: none"> • 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	-Vacuum system 20-350 ml Option: vacuum VAR flow-proportional system 5-250 ml Option: peristaltic pump



Single sample volume accuracy	Vacuum system: < 2,5 % or +- 3 ml Peristaltic pump: +- 5 % or +- 5 ml
Suction height	Max. 7,5 m (at 1013hPa and stagnant medium), optional 8,5 m
Pumping speed	>0,5 m/s at suction height up to at least 6 m (at 1013h Pa); pump capacity can be adjusted electronically
Suction hose	PVC, L=7,5 m, ID=10 mm. Max. hose length 30 m
Sampling modes	Time-related, flow-dependent, flow-proportional, event-related, manual sample extraction
Bottle variants	Plastic 1 x 25 L 4 x 14 L 4 x 10 L 12 x 2,9 L, 24 x 1,0 L Glass 12 x 2,0 L 24 x 1,0 L
Overall dimensions	(Hxwx d) 1.100 (1.640*) x 760 x 745 mm *) with opened top
Weight	Approx. 75 kg with composite container, higher weight when using several bottles and/or glass bottles
Power supply	230 V / 115 V / AC
Power requirement	Approx. 350VA (with cooling)
Ambient temperature	-20 – 45°C
Sample temperature	0 – 40°C
Standards	CE, Sampling according to ISO 5667-2/3-10
Wetted materials	PC, PVC, Silicone, PS, PE, EPDM (optional: metering vessel glass Duran50, sinker weight SS304)