



## SP5 DK

Wall-mounted device for sampling of sludge and from pressurised lines up to 16 bar.



<b>Type:</b>	fixed site sampler for sample medium with high solids content (sludge sampler) and for sampling from pressurised lines
<b>Housing:</b>	version without housing (PVC/stainless steel) option: Stainless steel housing with cooling/heating (materials: 1.4301/SS304; 1.4571/SS316Ti; SS34 EPOXY-coated; SS316 Ti EPOXY-coated)
<b>Thermostatic control:</b>	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)
<b>Control:</b>	microprocessor control, foil keyboard (128 x 64 Pixel), back lit
<b>Data logger:</b>	3000 entries, nonvolatile data memory; expandable to 32GB
<b>Programming:</b>	12 freely programmable user programs, with function to link programs.
<b>Interface:</b>	Mini-USB, RS422/485, RS 232; optional: Ethernet RJ45
<b>Communication:</b>	optional: Modbus, connection via DP PROFIBUS: LAN/WLAN TCP/IP, in combination with PC software
<b>Languages:</b>	multi-language, selectable
<b>Signal inputs:</b>	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, Impuls length 60ms, switching level 7–24 V, max. working resistance 500 Ohm, max. length of signalcable 30 m
<b>Signal outputs:</b>	8 digital outputs, 1x of them as collective malfunction message option: expandable with 8 digital, 5 are freely programmable
<b>Sampling method:</b>	double ball valve system with dosing tube mounted between the two valves (up to 16 bar). Standard volume 100 ml, other volumes available upon request
<b>Suction hose:</b>	inlet: inside thread 1 1/4" outlet: hose nozzle DN40 other dimensions possible at small volumes
<b>Sampling modes:</b>	time, flow-dependent, event-related and manual sample extraction.
<b>Bottle variants:</b>	1 x 25 L PE in stainless steel housing: 1 x 25 L PE; 4 x 14 L PE; 4 x 6,3 L PE; 12 x 2,9 L PE
<b>Overall dimensions:</b>	wall-mounted version: control unit (hwxwd) 350 x 450 x 170 mm dosing unit (hwxwd) 570 x 120 x 200 mm version in stainless steel housing (hwxwd) 1.470 (2.245 with opened top) x 690 x 645 mm
<b>Weight:</b>	approx. 15 kg (wall-mounted version); min. 100 kg (version with stainless steel housing)
<b>Power supply:</b>	230 V/115 V/AC
<b>Power requirement:</b>	approx. 50 VA; with cooling approx. 350 VA
<b>Ambient temperature:</b>	0°–45° C
<b>Sample temperature:</b>	0°–40° C
<b>Standards:</b>	CE