



SENSORS &
CONTROLLERS



ANALYZERS &
SAMPLERS



LEVEL, FLOW &
PRESSURE



WEB APP &
DATALOGGING



ACCESSORIES

TP5 W DATASHEET

SAMPLING HEAD FOR WALL MOUNTING



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TP5 W DATASHEET

TECHNICAL DATA

Housing	PS / PC (GF10)
Thermostatic control	No Option: refrigerator
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 IEBrowser, 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 resistance 500 Ohm, max. length of signalable 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. 6,5 m (at 1013hPa) option: 8 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=5 m, ID=10 mm. Max. hose length 30 m
Sampling modes	Time-related, flow-dependent, event- related and manual sample extraction. Option: flow-proportional
Bottle variants	Composite container
Overall dimensions	Sampler (hxwxd) 362 x 442 x 222 mm

Weight	Approx. 10 kg
Power supply	230 V / 115 V /AC
Power requirement number of samples	Approx. 25 VA
Ambient temperature	0 – 45° C
Sample temperature	0 – 40°C
Standards	CE, Sampling according to ISO 5667-2/3-10
Wetted materials	PC, PVC, Silicone, PS, PE
Accessoires	Capacitive level sensor (non-contact) for industrial applications