

MAXX TP5 P

compact portable sampler which can be combined with any type of composite container or an insulating box (isobox) with active or passive cooling. Fully automatic sampling according to the <u>vacuum principle</u>. Battery-operated 12V/10Ah.

Туре	Portable sampler
Housing	PS / PC (GF10)
Thermostatic control	Option: in combination with insulating box, freezer packs or compressor cooling (12V/115V/230V)
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, non-volatile data memory; storage of sampling and malfunction data like sample extractions, bottle changes, messages, external signals. optional with WEB-board 100 MB (2 Year ring memory-FIFO at 1 min interval)
Programming	12 freely programmable user programs, with function to link programs.
Program start options	- IMMEDIATELY; - DATE/TIME - WEEKDAY/TIME; - BY AN EXTERNAL SIGNAL
Program End/Stop options	End of sampling program - AFTER 1 RUN - AFTER X RUNS - CONTINUOUS OPERATION - DATE/TIME
Pause mode	Interruption of program run at any time
Overfilling protection	Adjustable from 1–999 samples/bottles
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, RS 232 optional: Ethernet RJ45, SDI-12
Communication	LAN / WLAN / GPRS-UMTS optional: 1. Connection via USB and PC • maxxwareConnect® has to be installed on the PC • Connection to the sampler via USB/MiniUSB cable • remote control of the sampler • visualization of downloaded data • download and saving of data as PDF, CSV or XLSX Format • print-out of data directly as PDF Format • backup of all preprogramed programs from the sampler • setting and saving of programs in offline mode. Upload in online mode • Read out, changing, saving or upload of all sampler programs (1-12) • recovery of saved programs.
	2. LAN Modul RJ45 via TCP/IP and IE-Browser • ARM9-SoC • 32MB RAM



etc.) *visualization via Web interface *Data-export (PDF, CSV, XLS) *E-Mail error messaging Or. alternatively 3. LAN Modul RJ45 + GPRS/UMTS Router *ARM9-Soc *33MB RAM *100 MB Data Memory ((2 Year ring memory-FIFO at 1 min interval) *Linux OS *TOPIP (RJ45) *recording of all CPU Data (like data of sampling cycle, bottle report, error log, temperature etc.) *visualization via Web interface *Data-export (PDF, CSV, XLS) *E-Mail error messaging *Additionaly *Fully integrated Router (industrial standard) *UMTS / GPRS *SIM card holder *E-Mail error messaging *antenna Languages Multi-language, selectable *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, impulsiength 60ms, switching level 7-24 V, max. working restistance 500 Ohm, max. length of signalcable 30 m Signal outputs / status messages Sampling method Single sample volume accuracy Sampling method Vakuum-System 20-350 ml Vacuum system: < 2,5 % or +- 3 ml Suction height Max. 6,5 m (at 1013hPa) option: 8 m Pumping speed Jos first at sucction height up to 5 m (at 1013h Pa); pump capacity can be adjusted electronically Suction hose PVC, L=5 m, ID=10 mm. Max. hose length 30 m Time-related, flow-dependent, event- related and manual sample extraction. Option: 1 x 10 L PE 1 x 25 L PE 2 x 13 L PE 4 x 5 L PE 8 title Parsing memory-FIFO at 1 min interval) **Internatively** **Courter messaging** **Courter Missaging** **Courter Missaging**		
etc.) *visualization via Web interface *Data-export (PDF, CSV, XLS) *E-Mail error messaging Or. alternatively 3. LAN Modul RJ45 + GPRS/UMTS Router *ARM9-Soc *33MB RAM *100 MB Data Memory ((2 Year ring memory-FIFO at 1 min interval) *Linux OS *TOPIP (RJ45) *recording of all CPU Data (like data of sampling cycle, bottle report, error log, temperature etc.) *visualization via Web interface *Data-export (PDF, CSV, XLS) *E-Mail error messaging *Additionaly *Fully integrated Router (industrial standard) *UMTS / GPRS *SIM card holder *E-Mail error messaging *antenna Languages Multi-language, selectable *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, impulsiength 60ms, switching level 7-24 V, max. working restistance 500 Ohm, max. length of signalcable 30 m Signal outputs / status messages Sampling method Single sample volume accuracy Sampling method Vakuum-System 20-350 ml Vacuum system: < 2,5 % or +- 3 ml Suction height Max. 6,5 m (at 1013hPa) option: 8 m Pumping speed Jos first at sucction height up to 5 m (at 1013h Pa); pump capacity can be adjusted electronically Suction hose PVC, L=5 m, ID=10 mm. Max. hose length 30 m Time-related, flow-dependent, event- related and manual sample extraction. Option: 1 x 10 L PE 1 x 25 L PE 2 x 13 L PE 4 x 5 L PE 8 title Parsing memory-FIFO at 1 min interval) **Internatively** **Courter messaging** **Courter Missaging** **Courter Missaging**		• Linux OS • TCP/IP (RJ45)
- Data-export (PDF, CSV, XLS) - E-Mail error messaging or alternatively 3. LAN Modul RJ45 + GPRS/UMTS Router - ARM9-SoC - 32MS RAM - 100 MB Data Memory ((2 Year ring memory-FIFO at 1 min interval) - Linux OS - TCPIP (RJ45) - recording of all CPU Data (like data of sampling cycle, bottle report, error log, temperature etc.) - visualization via Web interface - Data-export (PDF, CSV, XLS) - E-Mail error messaging - additionaly - Fully integrated Router (industrial standard) - UMTS / GPRS - SIM card holder - E-Mail error messaging - antenna Languages Multi-language, selectable - 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, impulsiength 60ms, switching level 7-24 V, max. working restistance 500 Ohm, max. length of signalcable 30 m Signal outputs / status messages Signal outputs / status messages Sampling method -Vakuum-System 20-350 ml Single sample volume accuracy Suction height - Max. 6,5 m (at 1013hPa) option: 8 m Pumping speed - Vacuum system: < 2,5 % or +- 3 ml Suction hose - PVC, L=5 m, ID=10 mm. Max. hose length 30 m Time-related, flow-dependent, event- related and manual sample extraction. Option: 1 x 10 L PE 1 x 25 L PE 2 x 13 L PE 4 x 5 L PE 4 x 5 L PE		
- 1		
or alternatively. 3. LAN Modul RJ45 + GPRS/UMTS Router - ARMS-Soc - 32MB RAM - 100 MB Data Memory ((2 Year ring memory-FIFO at 1 min interval) - Linux OS - TCP/IP (RJ45) - recording of all CPU Data (like data of sampling cycle, bottle report, error log, temperature etc.) - visualization via Web interface - Data-export (PDF, CSV, XLS) - E-Mail error messaging - additionaly - Fully integrated Router (industrial standard) - UMTS / GPRS - SIM card holder - E-Mail error messaging - antenna - Multi-language, selectable - 2 x analogue: 0/4-20 mA, - 8 x digital (flow, event, 1 inputs can be programmed freely, and 8x analogue: 0-20 mA or 0-10 V, impulsiength 60ms, switching level 7-24 V, max. working restistance 500 Ohm, max. length of signalcable 30 m Signal outputs / status messages - 8 digital outputs, 1x of them as collective malfunction message (Relay optional) option: expandable with 8 digital, 5 are freely programmable (in total 6 messages) Sampling method - Vakuum-System 20-350 ml Suction height - Max. 6,5 m (at 1013hPa) option: 8 m Pumping speed - Vacuum system: < 2,5 % or +-3 ml Suction hose - PVC, L=5 m, ID=10 mm. Max. hose length 30 m Time-related, flow-dependent, event- related and manual sample extraction. Option: 1 x 10 L PE 1 x 25 L PE 2 x 13 L PE 4 x 5 L PE		
3. LAN Modul R.145 + GPRS/UMTS Router - ARMS-SCC - 32MB RAM - 100 MB Data Memory ((2 Year ring memory-FIFO at 1 min interval) - Linux OS - TCP/IP (R.145) - recording of all CPU Data (like data of sampling cycle, bottle report, error log, temperature etc.) - visualization via Web interface - Data-export (PDF, CSV, XLS) - E-Mail error messaging additionaly - Fully integrated Router (industrial standard) - LUMTS / GPRS - SIM card holder - E-Mail error messaging - antenna - Languages - A analogue: 0/4-20 mA, - 8 x digital (flow, event, 1 inputs can be programmed freely, and 8x analogue 0 - 20 mA or 0-10 V, impulsiength 60ms, switching level 7-24 V, max. working restistance 500 Ohm, max. length of signalcable 30 m Signal outputs / status messages - 8 digital outputs - 1 & 6 digital outputs - 1 x of them as collective malfunction message (Relay optional) option: expandable with 8 digital, 5 are freely programmable (in total 6 messages) Sampling method - Vakuum-System 20-350 ml Single sample volume accuracy - Vacuum system: < 2.5 % or +- 3 ml - Vacuum system: < 2.5 % or +- 3 ml - Vacuum system: < 2.5 % or +- 3 ml - Vacuum system: < 2.5 % or +- 3 ml - Sampling modes - Time-related, flow-dependent, event- related and manual sample extraction. Option: - 1 x 10 L PE - 1 x 25 L PE - 2 x 13 L PE - 2 x 13 L PE - 2 x 13 L PE - 2 x 15 L PE		- E-iviali error messaging
ARM9-SoC 32MB RAM 100 MB Data Memory ((2 Year ring memory-FIFO at 1 min interval) 1. Linux OS TCP/IP (RJ45) recording of all CPU Data (like data of sampling cycle, bottle report, error log, temperature etc.) visualization via Web interface Data-export (PDF, CSV, XLS) E-Mail error messaging additionally Fully integrated Router (industrial standard) + UMTS / GPRS SIM card holder E-Mail error messaging + antenna Languages Multi-language, selectable 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, impulsiength 60ms, switching level 7-24 V, max. working restistance 500 Ohm, max. length of signalcable 30 m Signal outputs / status messages signal outputs / status messages - 8 digital outputs, 1x of them as collective malfunction message (Relay optional) option: expandable with 8 digital, 5 are freely programmable (in total 6 messages) Sampling method - Vakuum-System 20-350 ml Single sample volume accuracy Vacuum system: < 2,5 % or +- 3 ml Suction height Max. 6,5 m (at 1013hPa) option: 8 m > 0,5 m/s at suction height up to 5 m (at 1013h Pa); pump capacity can be adjusted electronically Suction hose PVC, L=5 m, ID=10 mm. Max. hose length 30 m Time-related, flow-dependent, event- related and manual sample extraction. Option: 1 x 10 L PE 1 x 25 L PE 2 x 13 L PE 4 x 5 L PE		
- 32MB RAM - 100 MB Data Memory ((2 Year ring memory-FIFO at 1 min interval) - Linux OS - TCP/IP (RJ45) - recording of all CPU Data (like data of sampling cycle, bottle report, error log, temperature etc.) - visualization via Web interface - Data-export (PDF, CSV, XLS) - E-Mail error messaging additionaly - Fully integrated Router (industrial standard) - LUMTS / GPRS - SIM card holder - E-Mail error messaging - antenna Languages Multi-language, selectable - 2 x analogue: 0/4-20 mA, - 8 x digital (flow, event, 1 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 - 8 digital outputs, 1x of them as collective malfunction message (Relay optional) option: expandable with 8 digital, 5 are freely programmable (in total 6 messages) Sampling method - Vakuum-System 20-350 ml Single sample volume accuracy - Vacuum system: < 2,5 % or +- 3 ml - Vacuum system: < 2,5 % or +- 3 ml - Vacuum system: < 2,5 % or +- 3 ml - Suction height - Vacuum system: < 2,5 % or +- 3 ml - Suction hose - PVC, L=5 m, ID=10 mm. Max. hose length 30 m Time-related, flow-dependent, event- related and manual sample extraction. Option: 1 x 10 L PE 1 x 25 L PE 2 x 13 L PE 4 x 5 L PE		
**Linux OS		
- TCP/IP (R,I45) - recording of all CPU Data (like data of sampling cycle, bottle report, error log, temperature etc.) - visualization via Web interface - Data-export (PDF, CSV, XLS) - E-Mail error messaging additionally - Fully integrated Router (industrial standard) - UMTS / GPRS - SIM card holder - E-Mail error messaging - antenna Languages Multi-language, selectable - 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, Impulsiength 60ms, switching level 7-24 V, max. working restistance 500 Ohm, max. length of signalcable 30 m Signal outputs / status messages Signal outputs / status messages - 8 digital outputs, 1x of them as collective malfunction message (Relay optional) option: expandable with 8 digital, 5 are freely programmable (in total 6 messages) Sampling method - Vakuum-System 20-350 ml Single sample volume accuracy Suction height Max. 6,5 m (at 1013hPa) option: 8 m - Vo,5 m/s at suction height up to 5 m (at 1013h Pa); pump capacity can be adjuste electronically Suction hose PVC, L=5 m, ID=10 mm. Max. hose length 30 m Time-related, flow-dependent, event- related and manual sample extraction. Option: 1 x 10 L PE 1 x 25 L PE 2 x 13 L PE 4 x 5 L PE		
recording of all CPU Data (like data of sampling cycle, bottle report, error log, temperature etc.) visualization via Web interface Data-export (PDF, CSV, XLS) E-Mail error messaging additionally Fully integrated Router (industrial standard) HOMTS / GPRS SIM card holder E-Mail error messaging Antenna Languages Multi-language, selectable - 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, Impulsiength 60ms, switching level 7-24 V, max. working restistance 500 Ohm, max. length of signalcable 30 m Signal outputs / status messages Sampling method Single sample volume accuracy Vacuum system: < 2,5 % or +- 3 ml Suction height Max. 6,5 m (at 1013hPa) option: 8 m Pumping speed PVC, L=5 m, ID=10 mm. Max. hose length 30 m Time-related, flow-dependent, event- related and manual sample extraction. Option: 1 x 10 L PE 1 x 25 L PE 2 x 13 L PE 4 x 5 L PE 4 x 5 L PE		
temperature etc.) - visualization via Web interface - Data-export (PDF, CSV, XLS) - E-Mail error messaging additionaly + Fully integrated Router (industrial standard) + UMTS / GPRS + SIM card holder + E-Mail error messaging + antenna Languages Multi-language, selectable - 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, Impulsiength 60ms, switching level 7-24 V, max. working restistance 500 Ohm, max. length of signalcable 30 m Signal outputs / status messages - 8 digital outputs, 1x of them as collective malfunction message (Relay optional) option: expandable with 8 digital, 5 are freely programmable (in total 6 messages) Sampling method Single sample volume accuracy Vacuum system: < 2,5 % or +- 3 ml Vacuum system: < 2,5 % or +- 3 ml Pumping speed - Vakuum-System 20-350 ml Vacuum system: < 2,5 % or +- 3 ml - No,5 m/s at suction height up to 5 m (at 1013h Pa); pump capacity can be adjusted electronically Suction hose - PVC, L=5 m, ID=10 mm. Max. hose length 30 m Time-related, flow-dependent, event- related and manual sample extraction. Option: 1 x 10 L PE 1 x 25 L PE 2 x 13 L PE 4 x 5 L PE		
- Data-export (PDF, CSV, XLS) - E-Mail error messaging additionaly - Fully integrated Router (industrial standard) - UMTS / GPRS - SIM card holder - E-Mail error messaging - antenna Languages Multi-language, selectable - 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, impulsiength 60ms, switching level 7-24 V, max. working restistance 500 Ohm, max. length of signalcable 30 m Signal outputs / status messages Signal outputs / status messages Sampling methodVakuum-System 20-350 ml Single sample volume accuracy Suction height Max. 6,5 m (at 1013hPa) option: 8 m Volumn system: < 2,5 % or +- 3 ml Suction height Max. 6,5 m (at 1013hPa) option: 8 m Vol,5 m/s at suction height up to 5 m (at 1013h Pa); pump capacity can be adjusted electronically Suction hose PVC, L=5 m, ID=10 mm. Max. hose length 30 m Time-related, flow-dependent, event- related and manual sample extraction. Option: 1 x 10 L PE 1 x 25 L PE 2 x 13 L PE 4 x 5 L PE		temperature etc.)
E-Mail error messaging additionaly Fully integrated Router (industrial standard) Fully integrated Router (integrated Router (integrat		
additionally + Fully integrated Router (industrial standard) + UMTS / GPRS + SIM card holder + E-Mail error messaging + antenna Languages Multi-language, selectable - 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 Sampling method - Vakuum-System 20-350 ml Single sample volume accuracy Suction height Max. 6,5 m (at 1013hPa) option: 8 m - No,5 m/s at suction height up to 5 m (at 1013h Pa); pump capacity can be adjusted electronically Suction hose PVC, L=5 m, ID=10 mm. Max. hose length 30 m Time-related, flow-dependent, event- related and manual sample extraction. Option: 1 x 10 L PE 1 x 25 L PE 2 x 13 L PE 4 x 5 L PE		
+ Fully integrated Router (industrial standard) + UMTS / GPRS + SIM card holder + E-Mail error messaging + antenna Languages Multi-language, selectable - 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 - 8 digital outputs, - 1x of them as collective malfunction message (Relay optional) option: expandable with 8 digital, 5 are freely programmable (in total 6 messages) Sampling method Single sample volume accuracy Vacuum system: < 2,5 % or +- 3 ml Vacuum system: < 2,5 % or +- 3 ml > 0,5 m/s at suction height up to 5 m (at 1013h Pa); pump capacity can be adjusted electronically Suction hose PVC, L=5 m, ID=10 mm. Max. hose length 30 m Time-related, flow-dependent, event- related and manual sample extraction. Option: - 1 x 10 L PE - 1 x 25 L PE - 2 x 13 L PE - 4 x 5 L PE - 4 x 5 L PE - 4 x 5 L PE - 1 x 25 L PE - 2 x 13 L PE - 4 x 5 L PE		
+ UMTS / GPRS + SIM card holder + E-Mail error messaging + antenna Languages Multi-language, selectable - 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, Impulsiength 60ms, switching level 7-24 V, max. working restistance 500 Ohm, max. length of signalcable 30 m Signal outputs / status messages - 8 digital outputs, 1x of them as collective malfunction message (Relay optional) option: expandable with 8 digital, 5 are freely programmable (in total 6 messages) Sampling method -Vakuum-System 20-350 ml Single sample volume accuracy Suction height - Nax. 6,5 m (at 1013hPa) option: 8 m - No,5 m/s at suction height up to 5 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: 1 x 10 L PE 1 x 25 L PE 2 x 13 L PE 4 x 5 L PE 4 x 5 L PE		
+ E-Mail error messaging + antenna Languages Multi-language, selectable • 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, Impulsiength 60ms, switching level 7-24 V, max. working restistance 500 Ohm, max. length of signalcable 30 m Signal outputs / status messages **Signal outputs / status messages **A digital outputs, 1x of them as collective malfunction message (Relay optional) option: expandable with 8 digital, 5 are freely programmable (in total 6 messages) Sampling method **Jekum-System 20-350 ml** Vacuum system: < 2,5 % or +- 3 ml Suction height **Max. 6,5 m (at 1013hPa) option: 8 m Pumping speed **O,5 m/s at suction height up to 5 m (at 1013h Pa); pump capacity can be adjusted electronically Suction hose **PVC, L=5 m, ID=10 mm. Max. hose length 30 m Time-related, flow-dependent, event- related and manual sample extraction. Option: 1 x 10 L PE 1 x 25 L PE 2 x 13 L PE 4 x 5 L PE 8 type in the programmed freely, and 8x digital, 3 inputs can be programmed freely, and 8x analogue or 20 mA, or 2-10 mR, and such		
Languages # antenna Multi-language, selectable * 2 x analogue: 0/4-20 mA,		
Languages Multi-language, selectable - 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 - 8 digital outputs, 1x of them as collective malfunction message (Relay optional) option: expandable with 8 digital, 5 are freely programmable (in total 6 messages) - Vakuum-System 20-350 ml Single sample volume accuracy Suction height Max. 6,5 m (at 1013hPa) option: 8 m - 0,5 m/s at suction height up to 5 m (at 1013h Pa); pump capacity can be adjusted electronically Suction hose PVC, L=5 m, ID=10 mm. Max. hose length 30 m Time-related, flow-dependent, event- related and manual sample extraction. Option: 1 x 10 L PE 1 x 25 L PE 2 x 13 L PE 4 x 5 L PE		
* 2 x analogue: 0/4-20 mA,		
Signal inputs • 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, Impulsength 60ms, switching level 7-24 V, max. working restistance 500 Ohm, max. length of signalcable 30 m Signal outputs / status messages • 8 digital outputs, 1x of them as collective malfunction message (Relay optional) option: expandable with 8 digital, 5 are freely programmable (in total 6 messages) Sampling method Single sample volume accuracy Suction height Max. 6,5 m (at 1013hPa) option: 8 m Pumping speed Pumping speed 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: 1 x 10 L PE 1 x 25 L PE 2 x 13 L PE 4 x 5 L PE	Languages	Multi-language, selectable
Ix of them as collective malfunction message (Relay optional) option: expandable with 8 digital, 5 are freely programmable (in total 6 messages) Sampling method Single sample volume accuracy Vacuum system: < 2,5 % or +- 3 ml Suction height Max. 6,5 m (at 1013hPa) option: 8 m Pumping speed Pumping speed 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: 1 x 10 L PE 1 x 25 L PE 2 x 13 L PE 4 x 5 L PE	Signal inputs	• 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,
Sampling method -Vakuum-System 20-350 ml Single sample volume accuracy Suction height Pumping speed -Vakuum-System 20-350 ml Vacuum system: < 2,5 % or +- 3 ml -Vakuum-System 20-350 ml Vacuum system: < 2,5 % or +- 3 ml -Vakuum-System 20-350 ml Vacuum system: < 2,5 % or +- 3 ml -Vakuum-System 20-350 ml Suction height -Vakuum-System 20-350 ml Vacuum system: < 2,5 % or +- 3 ml -Vakuum-System 20-350 ml -Vakuum-System 20		1x of them as collective malfunction message (Relay optional)
Single sample volume accuracy Suction height Pumping speed Pumping speed 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: 1 x 10 L PE 1 x 25 L PE 2 x 13 L PE 4 x 5 L PE		
Suction height Pumping speed Pumping speed PVC, L=5 m, ID=10 mm. Max. hose length 30 m Sampling modes Option: 1 x 10 L PE 1 x 25 L PE 2 x 13 L PE 4 x 5 L PE Suction height Max. 6,5 m (at 1013hPa) option: 8 m Pumping speed PVC, be m (at 1013h Pa); pump capacity can be adjusted electronically Suction hose PVC, L=5 m, ID=10 mm. Max. hose length 30 m Option: 1 x 10 L PE 1 x 25 L PE 2 x 13 L PE 4 x 5 L PE		-Vakuum-System 20-350 ml
Pumping speed		Vacuum system: < 2,5 % or +- 3 ml
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: 1 x 10 L PE 1 x 25 L PE 2 x 13 L PE 4 x 5 L PE	Suction height	Max. 6,5 m (at 1013hPa) option: 8 m
Sampling modes Time-related, flow-dependent, event- related and manual sample extraction. Option: 1 x 10 L PE 1 x 25 L PE 2 x 13 L PE 4 x 5 L PE	Pumping speed	>0,5 m/s at suction height up to 5 m (at 1013h Pa); pump capacity can be adjusted electronically
Option: 1 x 10 L PE 1 x 25 L PE 2 x 13 L PE 4 x 5 L PE	Suction hose	PVC, L=5 m, ID=10 mm. Max. hose length 30 m
1 x 10 L PE 1 x 25 L PE Bottle variants 2 x 13 L PE 4 x 5 L PE	Sampling modes	Time-related, flow-dependent, event- related and manual sample extraction.
16 x 1 L PE incl. freezer packs 24 x 1 L PE	Bottle variants	1 x 10 L PE 1 x 25 L PE 2 x 13 L PE 4 x 5 L PE 16 x 1 L PE incl. freezer packs



	Sampler (hxwxd)
	442 x 452 x 222 mm
Overall dimensions	Isobox with passive cooling (hxwxd) 534x510x430
	Isobox with active cooling (hxwxd)
	775x550x468
	Sampler: approx. 10 kg
\\\/a:=b4	Isobox, passive cooling (24x1 L):
Weight	approx. 11 kg Isobox, active cooling (24x1 L):
	approx. 25 kg
Power supply	12 V/ 7,5 Ah lead storage battery (maintenance-free, leak proof); 115V or 230V operation by means of battery charger in buffer mode. Range 11-14V; power consumption max. 30 W
	Up to 2000 sample extractions per battery charge, according to ambient conditions.
Power requirement / number of samples	Power requirement with option "active cooling" approx according to ambient conditions. Aprox 50W. (with 90 Ah battery, 20°C ambient, sampling 3x/h = running time of cooling system aprox. 49 h)
Ambient temperature	0 – 45° C
Sample temperature	0 – 40° C
Standards	CE Sampling according to ISO 5667-10, EN16479
Wetted materials	PC, PVC, Silicone, PS, PE

Make: **MAXX**

TP5 P Type:

Manufacturer: MAXX Mess- und Probenahmetechnik GmbH,

Hechinger Straße 41, D-72414 Rangendingen Phone +49(0)7471-98481 0 Fax +49(0)7471-98481 44

e-mail: info@maxx-gmbh.com internet www.maxx-gmbh.com

Subject to technical changes.

^{*)} Patent No. DE 19726550A1, DE 19726549A1 and VAR (variable) unit DE 10008623.3