Makoswater
...nature is the key

Portable and Stationary Samplers

Model P6
Vacuum Dosingsystem

Technical data at a glance

Housing:	Made of ABS and PP Doublewalled, insulated lower part
Control:	Microprocessor control, foil keypad, back lit display Option: with PC software or LAN/GPRS/WEB communication (2 year ring memory FIFO at 1 min interval)
Programming:	12 freely programmable user programs, user-friendly software
Interface:	MiniUSB, optional: Ethernet RJ45, SDI-12
Signal inputs:	2 x analog: 0/4–20 mA, max. working restistance 500 Ohm 8 x digital (Flow, Event, 1 x free programmable) Impulse length 60 ms, switching level 7–24 V
Signal outputs:	8 x digital, one of them as collective malfunction message
Dosing system:	Vacuum 20–350 ml
Suction height:	6,5 m (at 1000 hPa)
Sampling modes:	Time (CT, CV), Flow (VT, CV) or (CT, VV) (Flow modes are controlled by an external flowmeter signal) Event and manual sampling
Bottle variants:	P6 L PE: 24 x 1 L/1 x 10 L/4 x 4 L/8 x 2 L Glass: 24 x 350 ml/12 x 1 L/8 x 2 L P6 Mini Maxx: PE: 1 x 10 L; glass: 1 x 5 L
Overall dimensions:	P6 L: 500 x 805 mm (diam. x h) P6 Mini Maxx: 400 x 605 mm (diam. x h)
Weight:	P6 L approx. 13 kg (without battery) P6 MINI MAXX approx. 9 kg (without battery)
Power supply:	12 V/7.2 Ah battery with charger IP44 or IP67
Ambient temperature:	0° to +50° C
Sample temperature:	0° to +40° C
Standards:	CE, sampling according to ISO 5667-10, EN 16479

P6 MINI MAXX

P6 L

Unique combination of design and technology

Your advantages:

> New, direct connection via USB of an external multi-parameter portable meter pH/Cond/Temp (Option)
> Highly accurate sample volume
> Clear operating structure and simple programming
> LAN/GPRS/Web communication (Option)
> Easy cleaning
> Modern and ergonomic design
> Long battery run-time thanks to »sleep mode«
> 2nd dosing tube for changing the sample volume
> Pumping speed > 0,5 ms at suction height up to 5 m (at 1000 hPa)

P6 L MAXX with suspension harness (optional)

P6 L with 24 x 1 L bottle variant

Model P6
Peristaltic Pump

Technical data at a glance

Housing:	Made of ABS and PP Doublewalled, insulated lower part
Control:	Microprocessor control, foil keypad, back lit display Option: with PC software or LAN/GPRS/WEB communication (2 year ring memory FIFO at 1 min interval)
Programming:	12 freely programmable programs, user-friendly software
Interface:	MiniUSB, optional: Ethernet RJ45, SDI-12
Signal inputs:	2 x analog: 0/4–20 mA , max. working restistance 500 Ohm 8 x digital (Flow, Event, 1 x free programmable) Impulse length 60 ms, switching level 7–24 V
Signal outputs:	8 x digital, one of them as collective malfunction message
Dosing system:	Peristaltic pump 20–10.000 ml
Suction height:	max. 8,5 m (at 1000 hPa)
Sampling modes:	Time (CT, CV), Flow (VT, CV) or (CT, VV), variable flow (Flow modes are controlled by an external flowmeter signal) Event and manual sampling
Bottle variants:	P6 L PE: 24 x 1 L/1 x 10 L/4 x 4 L/8 x 2 L Glass: 24 x 350 ml/12 x 950 ml/8 x 2 L P6 Mini Maxx: PE: 1 x 10 L; glass: 1 x 4 L
Overall dimensions:	P6 L: 500 x 805 mm (diam. x h) P6 Mini Maxx: 400 x 605 mm (diam. x h)
Weight:	P6 L approx. 13 kg (without battery) P6 MINI MAXX approx. 9 kg (without battery)
Power supply:	12 V/7.2 Ah battery with charger IP44 or IP67
Ambient temperature:	0° to +50° C
Sample temperature:	0° to +40° C
Standards:	CE, sampling according to ISO 5667-10, EN 16479

P6 MINI MAXX

P6 L

Unique combination of design and technology

Your advantages:

> New, direct connection via USB of an external multi-parameter portable meter pH/Cond/Temp (Option)
> Innovative measuring device for volume determination
> Minimal effort für calibration
> Highly accurate sample volume
> Clear operating structure and simple programming
> LAN/GPRS/Web communication (Option)
> Easy cleaning
> Modern and ergonomic design
> Long battery run-time thanks to »sleep mode«
> Integrated pump replacement tube
> Pumping speed > 0,5 ms at suction height up to 5 m (at 1000 hPa)

P6 MINI MAXX with composite container

P6 MINI MAXX with suspension harness

Model TP5 C
with active cooling

Technical data at a glance

Housing:	PE/PC (GF10) Doublewalled, insulated lower part
Thermostatic control:	compressor cooling (12 V/115 V/230 V)
Control:	Microprocessor control, foil keypad, back lit display Option: with PC software or LAN/GPRS/Web communication (2 year ring memory FIFO at 1 min interval)
Programming:	12 freely programmable programs, user-friendly software
Interface:	MiniUSB, optional: Ethernet RJ45, SDI-12
Signal inputs:	2 x analogue: 0/4–20 mA, max. working resistance 500 Ohm 8 x digital (Flow, Event, 1 x free programmable) Impulse length 60 ms, switching level 7–24 V
Signal outputs:	8 digital outputs, 1x of them as collective malfunction message
Sampling method:	Vacuum 20–350 ml
Suction height:	6,5 m (at 1000 hPa)
Pumping speed:	> 0,5 ms at suction height up to 5 m (at 1000 hPa)
Suction hose:	PVC, L = 5 m, ID = 10 mm (max. hose length 20 m)
Sampling modes:	Time, flow, event-related and manual sample Option: variable flow-proportional sampling
Bottle variants:	24 x 1 L PE (standard version) 1 x 10 L; 1 x 25 L, 2 x 13 L; 4 x 5 L; 16 x 1 L PE incl. freezer packs
Overall dimensions:	1.028 x 550 x 468 mm (hxwxd)/Insulating box active
Weight:	approx. 40 kg; Isobox with active cooling (24 x 1 L)
Power supply:	Sampler 12 V/10 Ah battery/charger IP44 or IP67 active box 230 V–50 Hz/115 V–60 Hz/12 V battery
Ambient temperature:	0° to +50° C
Sample temperature:	0° to +40° C
Standards:	CE, sampling according to ISO 5667-10, EN 16479

T5 C – Compact device with integrated distributor insulating box with active cooling

Your advantages:

> New, direct connection via USB of an external multi-parameter portable meter pH/Cond/Temp (Option)
> with vacuum system
> Highly accurate sample volume
> Minimal effort für calibration (Peristaltic pump)
> Transport trolley (Option)
> Clear operating structure and simple programming
> LAN/GPRS/Web communication (Option)
> Easy cleaning
> Modern and ergonomic design
> Long battery run-time thanks to »sleep mode«
> Integrated pump replacement tube (Peristaltic pump)
> 2nd dosing tube for changing the sample volume (Vacuum)
> Active cooling system with compressor 12/115/230 V

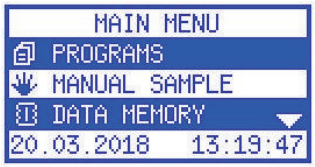
Active cooling 12/115/230 V
variant 24 x 1 L

Charger IP44 (Indoor) and
IP67 (Outdoor)

Model TP5 C
with passive cooling

Technical data at a glance

Housing:	PE/PC (GF10) Doublewalled, insulated lower part
Thermostatic control:	compressor cooling (12 V/115 V/230 V)
Control:	Microprocessor control, foil keypad, back lit display Option: with PC software or LAN/GPRS/WEB communication (2 year ring memory FIFO at 1 min interval)
Programming:	12 freely programmable programs, user-friendly software
Interface:	MiniUSB, optional: Ethernet RJ45, SDI-12
Signal inputs:	2 x analog: 0/4–20 mA, max. working restistance 500 Ohm 8 x digital (Flow, Event, 1 x free programmable) Impulse length 60 ms, switching level 7–24 V
Signal outputs:	8 digital outputs, 1x of them as collective malfunction message
Sampling method:	Vacuum 20–350 ml
Suction height:	6,5 m (at 1000 hPa)
Pumping speed:	> 0,5 ms at suction height up to 5 m (at 1000 hPa);
Suction hose:	PVC, L = 5 m, ID = 10 mm (max. hose length 20 m)
Sampling modes:	Time, flow, event-related and manual sample,
Bottle variants:	24 x 1 L PE (standard version) 1 x 10 L; 1 x 25 L, 2 x 13 L; 4 x 5 L; 16 x 1 L PE incl. freezer packs
Overall dimensions:	787 x 510 x 468 mm (hxwxd)/Insulating box passive
Weight:	approx. 25 kg: Isobox with passive cooling (24 x 1 L)
Power supply:	sampler 12 V/10 Ah battery/with charger IP44 oder IP67
Ambient temperature:	0° to +50° C
Sample temperature:	0° to +40° C
Standards:	CE, sampling according to ISO 5667-10, EN 16479



T5 C – Compact device with integrated distributor insulating box with passive cooling

Your advantages:

> New, direct connection via USB of an external multi-parameter portable meter pH/Cond/Temp (Option)
> With vacuum system
> Highly accurate sample volume
> Minimal effort für calibration (Peristaltic pump)
> Transport trolley (Option)
> Clear operating structure and simple programming
> LAN/GPRS/Web communication (Option)
> Easy cleaning
> Modern and ergonomic design
> Long battery run-time thanks to »sleep mode«
> 2nd dosing tube for changing the sample volume (Vacuum)
> Sample cooling with ice packs/dry ice

Suspension bar for use in sewers with suspension harness

Dosing system Vakuum

Model TP5 P

Technical data at a glance

Housing:	PS/PC (GF10)/PE Doublewalled, insulated lower part
Thermostatic control:	compressor cooling (12 V/115 V/230 V)
Control:	Microprocessor control, foil keypad, back lit display Option: with PC software or LAN/GPRS/WEB communication (2 year ring memory FIFO at 1 min interval)
Programming:	12 freely programmable programs, user-friendly software
Interface:	MiniUSB, optional: Ethernet RJ45, SDI-12
Signal inputs:	2 x analogue: 0/4–20 mA, max. working resistance 500 Ohm 8 x digital (Flow, Event, 1 x free programmable) Impulse length 60 ms, switching level 7–24 V
Signal outputs:	8 digital outputs, 1x of them as collective malfunction message
Sampling method:	Vacuum 20–350 ml
Suction height:	6,5 m (opt. up to 8,5 m) (at 1000 hPa)
Pumping speed:	> 0,5 ms at suction height up to 5 m (at 1000 hPa)
Suction hose:	PVC, L = 5 m, ID = 10 mm (max. hose length 20 m)
Sampling modes:	Time, Flow, Event-related and manual sample
Bottle variants:	Option: 24 x 1 L PE, 1 x 10 L; 1 x 25 L, 2 x 13 L; 4 x 5 L; 16 x 1 L PE incl. freezer packs
Overall dimensions:	Device 442 x 452 x 222 mm (HxWxD) Isobox passive: 534 x 510 x 430 mm (HxWxD) Isobox active: 775 x 550 x 468 mm (HxWxD)
Weight:	Device approx. 10 kg, isobox passive (24 x 1 L) approx.11 kg, isobox active approx. 25 kg
Power supply:	sampler 12 V/10 Ah battery/with charger IP44 or IP67
Ambient temperature:	0° to +50° C
Sample temperature:	0° to +40° C
Standards:	CE, sampling according to ISO 5667-10, EN 16479

Compact device which can be combined with any composite container or an insulating box with active or passive cooling

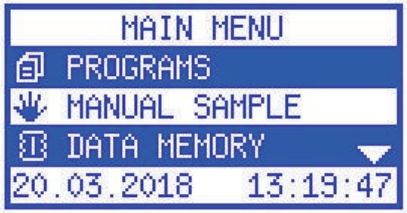
Your advantages:

> New, direct connection via USB of an external multi-parameter portable meter pH/Cond/Temp (Option)
> Highly accurate sample volume
> Transport trolley (Option)
> Clear operating structure and simple programming
> LAN/GPRS/WEB communication (Option)
> Easy cleaning
> Modern and ergonomic design
> Long battery run-time thanks to »sleep mode«
> Sample cooling with ice packs/dry ice

TP 5 P with strap on active insulating box

Dosing unit with bayonet fixing

Model TP5 W
Wall-mounted device



Technical data at a glance

Housing:	PS/PC (GF10)
Thermostatic control:	no; option: refrigerator
Control:	Microprocessor control, foil keypad, back lit display Option: with PC software or LAN/GPRS/WeEB communication (2 year ring memory FIFO at 1 min interval)
Programming:	12 freely programmable programs, user-friendly software
Interface:	MiniUSB, optional: Ethernet RJ45, SDI-12
Signal inputs:	2 x analogue: 0/4–20 mA, working resistance 500 Ohm 8 x digital (flow, event, 1 inputs can be programmed freely) Impulse length 60 ms, switching level 7–24 V
Signal outputs:	8 digital outputs, 1x of them as collective malfunction message
Sampling method:	Vacuum 20–350 ml
Suction height:	6,5 m (Option up to 8,5 m) (at 1000 hPa)
Pumping speed:	> 0,5 ms at suction height up to 5 m (at 1000 hPa);
Suction hose:	PVC, L = 5 m, ID = 10 mm (max. hose length 20 m)
Sampling modes:	Time, Flow, Event-related and manual sample,
Bottle variants:	composite container (Option)
Overall dimensions:	362 x 442 x 222 mm (hxwxd)
Weight:	approx. 10 kg
Power supply:	230 V/115 V/AC
Ambient temperature:	0° to +45° C
Sample temperature:	0° to +40° C
Standards:	CE, sampling according to ISO 5667-10, EN 16479

Wall-mounted device which can be combined with any composite container or refrigerator

Your advantages:

> New, direct connection via USB of an external multi-parameter portable meter pH/Cond/Temp (Option)
> Flexible application and combination possibilities
> Highly accurate sample volume
> Clear operating structure and simple programming
> LAN/GPRS/WEB communication (Option)
> Easy cleaning
> Modern and ergonomic design

TP5 W in combination with optional fridge 1 x 25 L

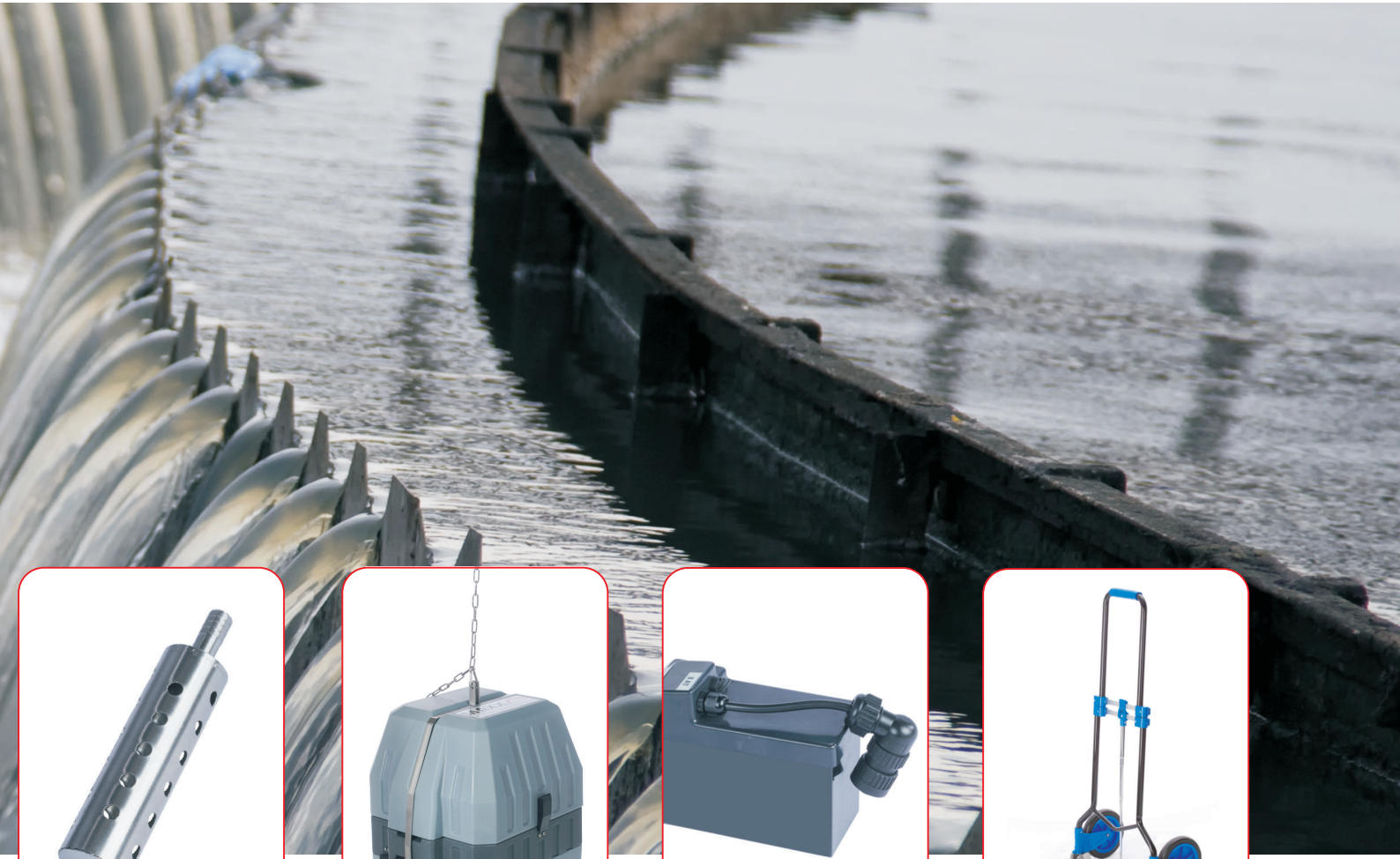
Non-contact filling level-sensor (Option)

An excerpt from our big range of accessories

Innovation made in Germany

MAXX®

Mess- und Probenahmetechnik GmbH



Model P6
Vacuum Dosingsystem

Technical data at a glance

Housing:	Made of ABS and PP Doublewalled, insulated lower part
Control:	Microprocessor control, foil keypad, back lit display Option: with PC software or LAN/GPRS/WEB communication (2 year ring memory FIFO at 1 min interval)
Programming:	12 freely programmable user programs, user-friendly software
Interface:	MiniUSB, optional: Ethernet RJ45, SDI-12
Signal inputs:	2 x analog: 0/4–20 mA, max. working restistance 500 Ohm 8 x digital (Flow, Event, 1 x free programmable) Impulse length 60 ms, switching level 7–24 V
Signal outputs:	8 x digital, one of them as collective malfunction message
Dosing system:	Vacuum 20–350 ml
Suction height:	6,5 m (at 1000 hPa)
Sampling modes:	Time (CT, CV), Flow (VT, CV) or (CT, VV) (Flow modes are controlled by an external flowmeter signal) Event and manual sampling
Bottle variants:	P6 L PE: 24 x 1 L/1 x 10 L/4 x 4 L/8 x 2 L Glass: 24 x 350 ml/12 x 1 L/8 x 2 L P6 Mini Maxx: PE: 1 x 10 L; glass: 1 x 5 L
Overall dimensions:	P6 L: 500 x 805 mm (diam. x h) P6 Mini Maxx: 400 x 605 mm (diam. x h)
Weight:	P6 L approx. 13 kg (without battery) P6 MINI MAXX approx. 9 kg (without battery)
Power supply:	12 V/7.2 Ah battery with charger IP44 or IP67
Ambient temperature:	0° to +50° C
Sample temperature:	0° to +40° C
Standards:	CE, sampling according to ISO 5667-10, EN 16479

P6 MINI MAXX

P6 L

Unique combination of design and technology

Your advantages:

> New, direct connection via USB of an external multi-parameter portable meter pH/Cond/Temp (Option)
> Highly accurate sample volume
> Clear operating structure and simple programming
> LAN/GPRS/Web communication (Option)
> Easy cleaning
> Modern and ergonomic design
> Long battery run-time thanks to »sleep mode«
> 2nd dosing tube for changing the sample volume
> Pumping speed > 0,5 ms at suction height up to 5 m (at 1000 hPa)

P6 L MAXX with suspension harness (optional)

P6 L with 24 x 1 L bottle variant

Model P6
Peristaltic Pump

Technical data at a glance

Housing:	Made of ABS and PP Doublewalled, insulated lower part
Control:	Microprocessor control, foil keypad, back lit display Option: with PC software or LAN/GPRS/WEB communication (2 year ring memory FIFO at 1 min interval)
Programming:	12 freely programmable programs, user-friendly software
Interface:	MiniUSB, optional: Ethernet RJ45, SDI-12
Signal inputs:	2 x analog: 0/4–20 mA , max. working restistance 500 Ohm 8 x digital (Flow, Event, 1 x free programmable) Impulse length 60 ms, switching level 7–24 V
Signal outputs:	8 x digital, one of them as collective malfunction message
Dosing system:	Peristaltic pump 20–10.000 ml
Suction height:	max. 8,5 m (at 1000 hPa)
Sampling modes:	Time (CT, CV), Flow (VT, CV) or (CT, VV), variable flow (Flow modes are controlled by an external flowmeter signal) Event and manual sampling
Bottle variants:	P6 L PE: 24 x 1 L/1 x 10 L/4 x 4 L/8 x 2 L Glass: 24 x 350 ml/12 x 950 ml/8 x 2 L P6 Mini Maxx: PE: 1 x 10 L; glass: 1 x 4 L
Overall dimensions:	P6 L: 500 x 805 mm (diam. x h) P6 Mini Maxx: 400 x 605 mm (diam. x h)
Weight:	P6 L approx. 13 kg (without battery) P6 MINI MAXX approx. 9 kg (without battery)
Power supply:	12 V/7.2 Ah battery with charger IP44 or IP67
Ambient temperature:	0° to +50° C
Sample temperature:	0° to +40° C
Standards:	CE, sampling according to ISO 5667-10, EN 16479

P6 MINI MAXX

P6 L

Unique combination of design and technology

Your advantages:

> New, direct connection via USB of an external multi-parameter portable meter pH/Cond/Temp (Option)
> Innovative measuring device for volume determination
> Minimal effort für calibration
> Highly accurate sample volume
> Clear operating structure and simple programming
> LAN/GPRS/Web communication (Option)
> Easy cleaning
> Modern and ergonomic design
> Long battery run-time thanks to »sleep mode«
> Integrated pump replacement tube
> Pumping speed > 0,5 ms at suction height up to 5 m (at 1000 hPa)

P6 MINI MAXX with composite container

P6 MINI MAXX with suspension harness

Model TP5 C
with active cooling

Technical data at a glance

Housing:	PE/PC (GF10) Doublewalled, insulated lower part
Thermostatic control:	compressor cooling (12 V/115 V/230 V)
Control:	Microprocessor control, foil keypad, back lit display Option: with PC software or LAN/GPRS/Web communication (2 year ring memory FIFO at 1 min interval)
Programming:	12 freely programmable programs, user-friendly software
Interface:	MiniUSB, optional: Ethernet RJ45, SDI-12
Signal inputs:	2 x analogue: 0/4–20 mA, max. working resistance 500 Ohm 8 x digital (Flow, Event, 1 x free programmable) Impulse length 60 ms, switching level 7–24 V
Signal outputs:	8 digital outputs, 1x of them as collective malfunction message
Sampling method:	Vacuum 20–350 ml
Suction height:	6,5 m (at 1000 hPa)
Pumping speed:	> 0,5 ms at suction height up to 5 m (at 1000 hPa)
Suction hose:	PVC, L = 5 m, ID = 10 mm (max. hose length 20 m)
Sampling modes:	Time, flow, event-related and manual sample Option: variable flow-proportional sampling
Bottle variants:	24 x 1 L PE (standard version) 1 x 10 L; 1 x 25 L, 2 x 13 L; 4 x 5 L; 16 x 1 L PE incl. freezer packs
Overall dimensions:	1.028 x 550 x 468 mm (hxwxd)/Insulating box active
Weight:	approx. 40 kg; Isobox with active cooling (24 x 1 L)
Power supply:	Sampler 12 V/10 Ah battery/charger IP44 or IP67 active box 230 V–50 Hz/115 V–60 Hz/12 V battery
Ambient temperature:	0° to +50° C
Sample temperature:	0° to +40° C
Standards:	CE, sampling according to ISO 5667-10, EN 16479

T5 C – Compact device with integrated distributor insulating box with active cooling

Your advantages:

> New, direct connection via USB of an external multi-parameter portable meter pH/Cond/Temp (Option)
> with vacuum system
> Highly accurate sample volume
> Minimal effort für calibration (Peristaltic pump)
> Transport trolley (Option)
> Clear operating structure and simple programming
> LAN/GPRS/Web communication (Option)
> Easy cleaning
> Modern and ergonomic design
> Long battery run-time thanks to »sleep mode«
> Integrated pump replacement tube (Peristaltic pump)
> 2nd dosing tube for changing the sample volume (Vacuum)
> Active cooling system with compressor 12/115/230 V

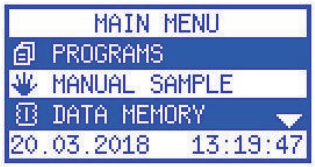
Active cooling 12/115/230 V
variant 24 x 1 L

Charger IP44 (Indoor) and
IP67 (Outdoor)

Model TP5 C
with passive cooling

Technical data at a glance

Housing:	PE/PC (GF10) Doublewalled, insulated lower part
Thermostatic control:	compressor cooling (12 V/115 V/230 V)
Control:	Microprocessor control, foil keypad, back lit display Option: with PC software or LAN/GPRS/WEB communication (2 year ring memory FIFO at 1 min interval)
Programming:	12 freely programmable programs, user-friendly software
Interface:	MiniUSB, optional: Ethernet RJ45, SDI-12
Signal inputs:	2 x analog: 0/4–20 mA, max. working restistance 500 Ohm 8 x digital (Flow, Event, 1 x free programmable) Impulse length 60 ms, switching level 7–24 V
Signal outputs:	8 digital outputs, 1x of them as collective malfunction message
Sampling method:	Vacuum 20–350 ml
Suction height:	6,5 m (at 1000 hPa)
Pumping speed:	> 0,5 ms at suction height up to 5 m (at 1000 hPa);
Suction hose:	PVC, L = 5 m, ID = 10 mm (max. hose length 20 m)
Sampling modes:	Time, flow, event-related and manual sample,
Bottle variants:	24 x 1 L PE (standard version) 1 x 10 L; 1 x 25 L, 2 x 13 L; 4 x 5 L; 16 x 1 L PE incl. freezer packs
Overall dimensions:	787 x 510 x 468 mm (hxwxd)/Insulating box passive
Weight:	approx. 25 kg: Isobox with passive cooling (24 x 1 L)
Power supply:	sampler 12 V/10 Ah battery/with charger IP44 oder IP67
Ambient temperature:	0° to +50° C
Sample temperature:	0° to +40° C
Standards:	CE, sampling according to ISO 5667-10, EN 16479



T5 C – Compact device with integrated distributor insulating box with passive cooling

Your advantages:

> New, direct connection via USB of an external multi-parameter portable meter pH/Cond/Temp (Option)
> With vacuum system
> Highly accurate sample volume
> Minimal effort für calibration (Peristaltic pump)
> Transport trolley (Option)
> Clear operating structure and simple programming
> LAN/GPRS/Web communication (Option)
> Easy cleaning
> Modern and ergonomic design
> Long battery run-time thanks to »sleep mode«
> 2nd dosing tube for changing the sample volume (Vacuum)
> Sample cooling with ice packs/dry ice

Suspension bar for use in sewers with suspension harness

Dosing system Vakuum

Model TP5 P

Technical data at a glance

Housing:	PS/PC (GF10)/PE Doublewalled, insulated lower part
Thermostatic control:	compressor cooling (12 V/115 V/230 V)
Control:	Microprocessor control, foil keypad, back lit display Option: with PC software or LAN/GPRS/WEB communication (2 year ring memory FIFO at 1 min interval)
Programming:	12 freely programmable programs, user-friendly software
Interface:	MiniUSB, optional: Ethernet RJ45, SDI-12
Signal inputs:	2 x analogue: 0/4–20 mA, max. working resistance 500 Ohm 8 x digital (Flow, Event, 1 x free programmable) Impulse length 60 ms, switching level 7–24 V
Signal outputs:	8 digital outputs, 1x of them as collective malfunction message
Sampling method:	Vacuum 20–350 ml
Suction height:	6,5 m (opt. up to 8,5 m) (at 1000 hPa)
Pumping speed:	> 0,5 ms at suction height up to 5 m (at 1000 hPa)
Suction hose:	PVC, L = 5 m, ID = 10 mm (max. hose length 20 m)
Sampling modes:	Time, Flow, Event-related and manual sample
Bottle variants:	Option: 24 x 1 L PE, 1 x 10 L; 1 x 25 L, 2 x 13 L; 4 x 5 L; 16 x 1 L PE incl. freezer packs
Overall dimensions:	Device 442 x 452 x 222 mm (HxWxD) Isobox passive: 534 x 510 x 430 mm (HxWxD) Isobox active: 775 x 550 x 468 mm (HxWxD)
Weight:	Device approx. 10 kg, isobox passive (24 x 1 L) approx.11 kg, isobox active approx. 25 kg
Power supply:	sampler 12 V/10 Ah battery/with charger IP44 or IP67
Ambient temperature:	0° to +50° C
Sample temperature:	0° to +40° C
Standards:	CE, sampling according to ISO 5667-10, EN 16479

Compact device which can be combined with any composite container or an insulating box with active or passive cooling

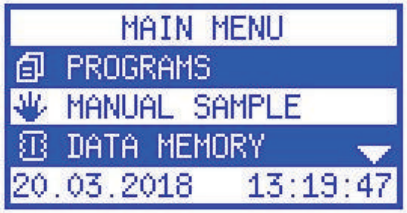
Your advantages:

> New, direct connection via USB of an external multi-parameter portable meter pH/Cond/Temp (Option)
> Highly accurate sample volume
> Transport trolley (Option)
> Clear operating structure and simple programming
> LAN/GPRS/WEB communication (Option)
> Easy cleaning
> Modern and ergonomic design
> Long battery run-time thanks to »sleep mode«
> Sample cooling with ice packs/dry ice

TP 5 P with strap on active insulating box

Dosing unit with bayonet fixing

Model TP5 W
Wall-mounted device



Technical data at a glance

Housing:	PS/PC (GF10)
Thermostatic control:	no; option: refrigerator
Control:	Microprocessor control, foil keypad, back lit display Option: with PC software or LAN/GPRS/WeEB communication (2 year ring memory FIFO at 1 min interval)
Programming:	12 freely programmable programs, user-friendly software
Interface:	MiniUSB, optional: Ethernet RJ45, SDI-12
Signal inputs:	2 x analogue: 0/4–20 mA, working resistance 500 Ohm 8 x digital (flow, event, 1 inputs can be programmed freely) Impulse length 60 ms, switching level 7–24 V
Signal outputs:	8 digital outputs, 1x of them as collective malfunction message
Sampling method:	Vacuum 20–350 ml
Suction height:	6,5 m (Option up to 8,5 m) (at 1000 hPa)
Pumping speed:	> 0,5 ms at suction height up to 5 m (at 1000 hPa);
Suction hose:	PVC, L = 5 m, ID = 10 mm (max. hose length 20 m)
Sampling modes:	Time, Flow, Event-related and manual sample,
Bottle variants:	composite container (Option)
Overall dimensions:	362 x 442 x 222 mm (hxwxd)
Weight:	approx. 10 kg
Power supply:	230 V/115 V/AC
Ambient temperature:	0° to +45° C
Sample temperature:	0° to +40° C
Standards:	CE, sampling according to ISO 5667-10, EN 16479

Wall-mounted device which can be combined with any composite container or refrigerator

Your advantages:

> New, direct connection via USB of an external multi-parameter portable meter pH/Cond/Temp (Option)
> Flexible application and combination possibilities
> Highly accurate sample volume
> Clear operating structure and simple programming
> LAN/GPRS/WEB communication (Option)
> Easy cleaning
> Modern and ergonomic design

TP5 W in combination with optional fridge 1 x 25 L

Non-contact filling level-sensor (Option)

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