

Basic ECO mobil

Order-No.: 8092241

Automatic mobile waste water sampler for time-, volume-, event- and flow proportional sampling of fluids. Small, compact and weatherproof, the sampler combines a variety of sampling requirements. Ideally suited for water and wastewater treatment, for industrial and field applications, as well as the sampling of surface waters. The reliable sampling technique and its ability to adapt their automated sampling requirements predestine the basic mobile sampler for a wide range of sampling tasks.

Conformity with standards: CE; DIN 38402-11 (2009-02); DIN EN ISO 5667-1; EN 16479-1; ISO 5667-10.

Compact

- Compact and rugged design for harsh environments.
- **Light-weight!** 12.7 kg for easy transport (with battery and 12 bottles); 9.5 kg with composite container

Easy to use

- Easy / convenient 4-button programming with clear display
- **Start/Stop buttons** for sampling
- Easy handling

Flexible

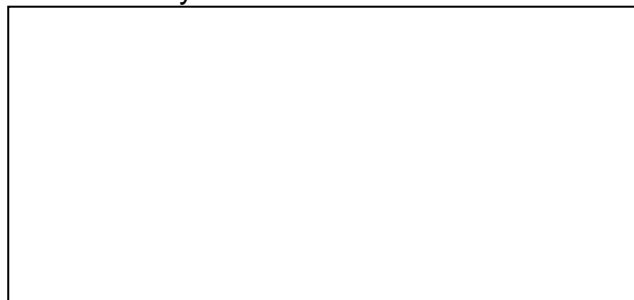
- by time-, volume-, event- and **flow-proportional sampling**
- **composite-** or **discrete** samples
- **several bottle combinations** and different composite container
- Sampling can be triggered based on time, flow or event signal via **analog** (4-20 mA) or **digital input** (potential free contact), **combined operation**



- Battery mode (idle mode for long operating time) **up to 320 samples** optional with power supply pack.
- Plug-in system for **quick battery change**
- A tried and tested **peristaltic pump system**
- **Easy to maintain** - e.g. change of the pump hose within 2 minutes,
- Hoses in **various materials**
- Optional **with active cooling** and 6,5 PE composite container

Technical Data:		Basic mobil:	
Cabinet	PUR (Polyurethan)		
Conformity with the standards	CE; DIN 38402-11; DIN EN ISO 5667-1; ISO 5667-10; EN 16479-1; at a nominal suction height of up to 4.5 m; suction speed >0,5 m/s EN 25667 (ISO 5667-10)		
Enclosure Rating	IP 65		
Operational Temperature	0°C – 40°C		
Electrical data	Lead-Gel Battery	12 V DC / 8 Ah (others by request LiFePO4 10Ah), maintenance-free	
	Max. power consumption	32,5 VA; Max. current consumption 2,5 A	
	Fuse	6,2 A	
	Mains supply	via external recharger (battery stand-by mode); IP 67	
	Optional active cooling	230V/12V and gas operation	
Dimension in mm / weight(dry) Including battery	12x1 l PE-bottles (ØXH)	370 x 590	12.7 kg (11.5 with LiFePO4) Ord.-No. 8092241
	24x1 l PE-bottles (H x W x D)	690 x 360 x 360	17,0 kg Ord.-No. 8092261
	24x0.5 glass bottles		Ord.-No. 8092262
	1x25 l container	350 x 640	9.5 kg (8.3 kg with LiFePO4) Ord.-No. 8092211
	1x6,5 l container (H x W x D)	840 x 720 x 550	ca. 33 kg with optional cooling
Sampling method	Peristaltic pump		
Wetted material	Suction hose	PVC	(various material on request)
	Pump hose	Silicon	(various material on request)
	Hose coupling	PA	
	Inlet pipe	PVC	(various material on request)
	Distributor	PS	(various material on request)
	Suction piece	V2A (1.4305/AISI303)	
	Water detection	Conductivity AISI316 Ti	(various material on request)
	Bottles	HDPE or glass	
Distributor / bottle configurations	Circular distributor		
	Direct filling	1 x 6 l, 1 x 10 l, 1 x 25 l PE-composite container 1-12 x 1 l PE-bottles, 12 x 0,5 L glass bottles	
	With distributor plate	24 x 1 l PE-bottles , 24 x 0,5 L glass bottles	
Suction hose	Ø (di)	9 mm	(special versions are available on request)
	length	20 m	(special versions are available on request)
Suction height	6 m	(optional up to 8 m)	
Dosing volume	10 ml up to 25000 ml, depending from the chosen bottle capacities		
Battery durability	24 h = ca. 320 samples at	8 Ah battery, suction 4 m and 5 Min. sampling interval (20°C)	
Control unit	Microprocessor with 2 MB EEPROM data memory, ring buffer for event and error, LCD Display, 4 x 20 characters		
I/O Ports	Analog input	1 x 0/4-20 mA	
	Digital input	1 x potential free contact (min. 50ms) (adjustable on- / off-delay 0-120 s)	
	RS 232	on board (optional)	
	Fault signal output	potential free contact (optional)	
	Control input	3 (optional available)	
	Control output	2 (optional available)	
Software	Menu-driven, 6 sample programs, 5 fully parameterizable + 1 sequence-/loop program Memory for event / error and log data Up to 6 programs can be linked to a sequence, sequences and single programs can be repeated by using loops with adjustable repeats from 1 to ∞.		

Presented by:



1x25 liter



Rugged peristaltic pump