



# Basic1 mobil

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### Mobil sampler

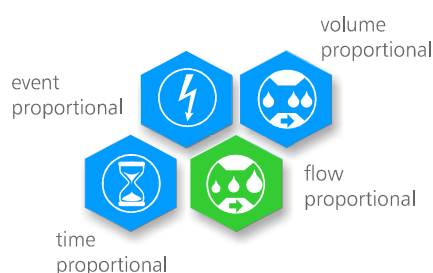
A mobile sampler for automated sampling of liquid media. Small, compact and weatherproof. It meets a wide range of sampling requirements and is ideally suited for industrial and field use, as well as for sampling surface waters. The proven sampling technology and its ability to adapt automated sampling to your requirements predestine the Basic1 mobile for a wide range of sampling tasks.

*Standards: CE; DIN 38402-11 (2009-02); DIN EN ISO 5667-1; ISO 5667-10; EN 16479-1*

For time-, event-, volume- and flow-proportional sampling.

Direct bottle filling

**Flexible** easy to maintain  
**compact** + **light**



### Features

- **Lightweight!** Only 12.7 kg for easy transport (with battery + 12 bottles); 9.5 kg with composite container
- **Start / Stop button** for sampling
- **Direct connection** of flow measurements or event transmitters via **analog** (4-20 mA) or **digital input** (potential-free contact), combined operation
- 2 battery level (lead gel 8Ah; LiFePO4 10Ah) and optional power supply unit.
- **Bluetooth interface** to read-out the sampling protocol or for the wireless connection of the ORI EX measuring technology (eg ORI Mlog). Ideal for the event proportional sampling. Measuring parameters such as: pH, ORP, Temp., conductivity, O2, level). Ideal for the event start.
- Optional RS 232 interface to connect an ORI **GSM/GPRS Modems** for transmitting log, event, status or alarm messages via e-mail or SMS
- **Sampler remote start by SMS** (in conjunction with modem optional)
- **Automatic water detection** (can be switched off).
- **Easy to maintain** -e.g. change of the pump hose within 2 minutes

Technical Data: Basic1 mobil	
Cabinet	PUR (Polyurethane)
Standards	CE, DIN 38402-11 (2009-02); DIN EN ISO 5667-1; ISO 5667-10; EN 16479-1 at a rated head up to 4.5 m
Degree of protection	Overall IP 65 (with cover)
Operation temperature	0°C – 40°C
Electrical data	Battery Lead gel 12 V DC / 8 Ah LiFePO4 12 V DC / 10 Ah Max. power consumption 32,5 VA Max. current consumption 2,5 A Fuse 6,2 A Power connection via the external charger (suitable for buffer charging operation)
Dimension (mm)	12x1 l PE-bottles (ØXH) 370 x 590 12,3 kg with LiFePO4
Weight (kg)	24x1 l PE-bottles (H x B x T) 690 x 360 x 360 18,5 kg 24x0,5 l glass bottles 1x25 l HDPE-collecting container 350 x 640 9,1 kg with LiFePO4 1x6,5 L (H x B x T) 840 x 720 x 550 ca. 33 kg with optional active cooling
Sampling method	Peristaltic pump
Wetted materials	Suction hose PVC pump hose Silicon (various materials on request) hose coupling PA Inlet pipe PVC (various materials on request) Distributor PS (various materials on request) Suction piece Stainless steel AISI303 Water detection contactless (internal pipe PVC) (various materials on request) Bottles HDPE or glass
distributor / num. of bottles	Funnel distributor Direct filling 1 x 6 l, 1 x 10, 1 x 25 L PE- collecting container 1-12 x 1 L PE-bottles, 12 x 0,5 L glass bottles With distribution 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) Max. length 20 m (special versions are available on request)
Suction Height	6 m (up to 8 m on request)
Dosing Volume	15 ml up to 25000 ml, depending from the chosen bottle capacities ; otherwise adjustable
Battery durability (20°C)	With a suction height of 2.50 m and a sample interval of 5 minutes ca. 420 samples 10 Ah battery
Control Unit	Microprocessor with 2 MB EEPROM data memory, ring buffer for event and error, LCD Display, 4 x 20 characters, operated via magnetic pen
I/O ports	Bluetooth Class 2 (2.5 mW / ca. 10 m coverage) 3.5 dBm, UART Logic Level, 300-921.6 k Bd RS 232 Uo:12V; Io: 300mA, 9600Baud Impulse- / event input potential free contact (min. 50ms) (adjustable on- / off-delay 0-120 s) mA 0/4-20mA
Software	Menu-driven, 5 fully parameterizable sample programs, Memory for event / error and log data readable via Bluetooth interface, 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 ∞ ..
GSM / GPRS	Optional Ex-Modem EMGSM2.2 required

Presented by:



Subject to technical modifications and errors, without notice