

Basic Ex1 Solid

 II 2G IIB T4

Order-No.: 8092306

Proven, ATEX certified stainless steel industrial sampler (AISI 304 optional AISI 316) according Ex II 2G IIB T4 with integrated cooling and heating. For **time-**, **volume-**, **event-** and **flow proportional** sampling of fluids. In addition to the tried and tested sampling techniques **with different optional dosing systems** and the ability to adapt the automatic sampling to your requirements, the BasicEx1 solid is characterized by an **unrestricted use in potentially explosive atmospheres** (ATEX zone 1 and 2).

ATEX certified

- TÜV certified - **ATEX II 2 G Ex d ib IIB T4**. designed for use in hazardous environments (ATEX Zone 1, 2)

Rugged

- durable **stainless steel housing** (AISI 304 optional in AISI 316 or plastic).
- Optionally the cooling and heating cabinet are provided with a coating of epoxy protective varnish
- **different bottle sizes**
- plasticcoated stainless steel sliding system
- **IP 54** for the housing **IP 67** for the control unit

Communicative

- **Bluetooth** interface for wireless connection to the **ORI Ex-Logger**.
- Read-out the data memory and firmware update via blue-tooth
- RS 232 interface to connect an **ORI Ex GSM/GPRS Modem** - Type: EMGMS2.2 or Mlog

Team player



- In combination with the wireless ORI Ex-logger for measured parameters as e.g. **pH, redox, temperature, conductivity, O2, level** (optional). Ideal for event start
- Together with the ex-proof designed **multiparameter probe ORI Mlog** (optional), up to 3 sensors parallel for event samplings
- With input ports mA and potential free contact (standard) for the connection of e.g. level-, pressure probe, radar or ultra-sonic. Easy connect with the optional ORI Ex-connection box.
- With optional **Ex-GSM/GPRS Modem** to transfer protocol-, event-, status- or alarm-messages via email or SMS
- **Sampler remote start via SMS** message (requires the optional Ex-GSM/GPRS Modem)

- **Easy to maintain** -
e.g. change of the pump hose within 2 minutes,
- **Hoses in various materials**

Technical Data:		BasicEx1 solid	
ATEX marking	II 2G IIB T4		
Degree of protection	Housing	IP 54	
	Control unit	IP 67	
Operation temperature	-20°C – 40°C		
Electrical data	Nominal voltage	230 V ±10% / 50 Hz	
	Max. power consumption	1200 VA	
	Max. current consumption	6,5 A	
Dimensions	(BXHXD) in mm	1130 x 1480 x 900	
	Gewicht	ca. 180 kg(depending on equipment)	
Sampling method	Peristaltic pump with water detection optional with water scoop or dosing sliders technic		
Suction speed	Vm ≥ 0.5 m/s after EN 25667 (ISO 5667)		
Wetted materials	Suction hose	PVC	(various materials on request)
	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	V2A (1.4305/AISI303)	
	Water detection	contactless (internal pipe PVC) (various materials on request	
	Bottles	HDPE or glass	
distributor / num. of bottles	Rotary distributor / distributor plate		
Suction hose	Ø (di)	9 mm	(special versions are available on request)
	max. length	30 m	(special versions are available on request)
Suction Height	7 m	(optional up to 8 m)	
Dosing Volume	10 ml up to 25000 ml, free adjustable		
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 IDLE energy-saving mode with an automatic deactivation of the electronic components. Reactivation by a timer, or key operation, bluetooth signal or external pulse. Reed contact-console		
I/O Ports (Xe) (increasing safety) useable in areas within a hazardous atmosphere (zone 1)	2 x mA	0/4-20 mA	
	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)	
	NAMUR output		
	Fault alarm output	potential-free contact 24 V AC/DC, 500 mA (option)	
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 (useable within an explosive atmosphere in accordance to the classification)		

Presented by:

