#### Environmental Technology · Lab Equipment Sampling · Ex – Industry Components



#### since 1946

# 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

#### Rugged

#### Communicative

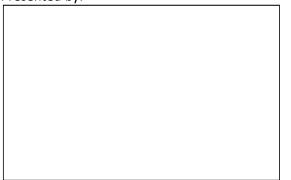
### **Team player**



- TÜV certified ATEX II 2 G Ex d ib IIB T4. designed for use in hazardous environments (ATEX Zone 1, 2)
- 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
- Bluetooth interface for wireless connection to the ORI Ex-Logger.
- Read-out the data memory and firmware update via bluetooth
- RS 232 interface to connect an ORI Ex GSM/GPRS Modem - Type: EMGMS2.2 or Mlog
- 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 Exconnection 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

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ATEX marking		BasicEx1 solid		
		II 2G IIB T4		
Degree of protection	Housing Control unit	IP 54 IP 67		
Operation temperature		-20°C – 40°C		
Electrical data	Nominal voltage Max. power consumption Max. current consumption			
Dimensions	(BXHXD) in mm Gewicht	1130 x 1480 x 900 ca. 180 kg(depending on equipment)		
Sampling method	Peristaltic pump with wate optional with water scoop			
Suction speed	$Vm \ge 0.5 m/s$ after EN 256	I 25667 ( <b>ISO 5667</b> )		
Wetted materials	Suction hose Pump hose Hose coupling Inlet pipe Distributor Suction piece Water detection Bottles	PVC Silicon PA PVC PS V2A (1.4305/AISI contactless (inter HDPE or glass	(various materials on request) (various materials on request) (various materials on request (various materials on request) 303) mal pipe PVC) (various materials on request	
listributor / num. of bottles	Rotary distributor / distributor plate			
Suction hose	Ø (di) 9 mm max. length 30 m	(special versions are available on request) (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 deactiva- tion of the electonic 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 atmos- phere (zone 1)	2 x mA Bluetooth Class 2	•	m coverage) 3.5 dBm, , 300-921.6 k Bd	
	RS 232	Uo:12V; Io: 300mA, 9600Baud		
	Impulse- / event input		ntact (min. 50ms) off-delay 0-120 s)	
	NAMUR output Fault alarm output	potential-free co	ontact 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 $\infty$ .			
GSM / GPRS	Optional Ex-Modem EMGSM2.2 required (useable within an explosive atmosphere in accordance to the classification)			





ORI reserve the right to change any information without notice. - Error and omission expected.