

NeMo Ex solid industrie

 II 2G IIB T4

Art.-Nr.: 8090960

Well-proven, ATEX certified (II 2G IIB T4) and self-emptying stainless steel industry sampler with cooling / heating and integrated telemetry / data logger system. For time-, event-, volume- and flow-proportional sampling (flow proportional sampling only with peristaltic pump system). Sampling with bucket elevator or peristaltic pump.

Optionally an ATEX certified WLAN and GPS communication box can be added. Upgrade to measurement station possible.

Robust

- durable **stainless steel cabinet** (AISI 316 Ti).
- Self supporting frame with 4 doors and removable side panels
- **Epoxy coating of all stainless steel parts** inside of the sampler cabinet as e.g. cooling chamber and bucket elevator pump.
- With **automatic air flushing** of the sample chamber after time interval and upon actuation of the SBY operation
- **4x10 l glass bottles, self-emptying** with position recognition and **1x40 l PVDF collecting container** with drain tap, **all bottles with homogenizer** in accordance with DIN 38402
- plastic-laminated **high grade steel telescopic drawer**
- **external switch** between flow- and timeproportional sampling

ATEX certified

- TÜV certified - **ATEX II 2G IIB T4** for applications in potentially explosive areas of ATEX zone 1.

Communicative

- **Support a variety of protocols** over the existing 2 x RS-232 and 1 x RS-485 interfaces
- **Ethernet Interface** 10BASE-T 10Mbits/Sec and 8P8C plug (RJ45) with GPRS and WLAN AP
- **Modbus, optional PROFIBUS**
- Sending HTML pages with current process values to Internet / Intranet FTP server
- Functioning as a web server with PDA-optimized pages



- **Data logging:** recording measurement values and events, MIN/MAX values data preprocessing, average determination
- **Alerting** with free defined alarm text with integrated process data, interlinked message

Data logger

Recording measurement values and events - Min-/Max values data preprocessing - average determination and adjustable time windows in seconds, minutes and hours.

Integrated measuring technology

Ultrasonic-based level measurement of sampling bottles and temperature measuring of the sample medium and the sample chamber.

flow measuring (MID) of the sample feeding

Expandable with:

pH, ORP, Cond., O2, Temperature

Overflow protection using the bucket elevator variant.

Alert

adjustable time-slicing, free defined alarm text with integrated process data, interlinked message sending to different participants (maximum 64).

Communication

Sending messages via different provider networks to email addresses as well as an SMS to a control system or printer.

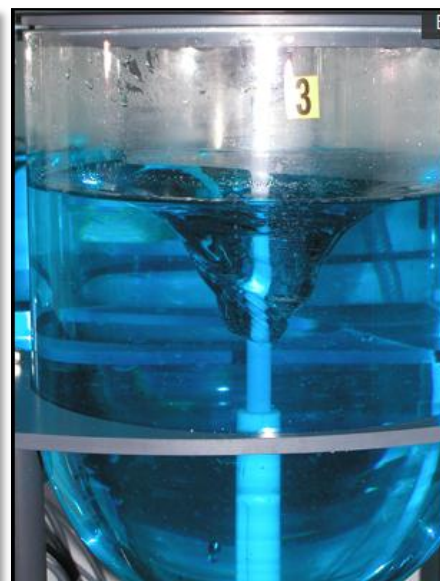
FTP transfer of actual / historical data to the Scalarvis control system.

Communication protocol:

Modbus, optional PROFIBUS

Technical data: NeMo Ex solid industrie

ATEX	II 2G IIB T4	
Enclosure Rating	Total	IP 54
Dim. (BxHxT); weight	1550 / 1995 / 1160 mm; 350 kg (<i>according to the equipment</i>)	
Temperature range	Environmental temperature -20 °C .. + 40 °C	
External supply	Pump power supply	three-phase current 380/400 V, 50 Hz, 1,5kW, 10 A (fuse)
	Valve Switch	230V, 6,3 A (fuse) potential free (at least 50 msec)
External control inputs	Flow proportional	0(4)...20 mA
	Event input	potential free (at least 50 msec)
	Pulse input	potential free (at least 50 msec)
	External overflow protection	potential free (at least 50 msec)
Optional fault signal		
Control unit	128 KB RAM memory, battery buffered real time clock	
I/O connectors (<i>increased safety</i> Xe) Also available inside ATEX zone 1	1 x RS485	<i>increased safety</i>
	2 x RS232	<i>increased safety</i>
	1 x RJ45	<i>increased safety</i>
Overvoltage protection	Low pass filter grid side protection	



Presented by:

