

Transducer & Data Logger



EN IEC 60079-XX
ISO 5667-X
DIN EN 38402-XX

Ex II 2G IIB T4

Ord.-No.: 8092390 NEMO T

nemo ATEX Zone 1/2 transducer

ATEX certified transmitter with logging/remote data transmission/sampling function

The NEMO T is a multi-channel, multi-parameter transmitter with data logger function and additional integrated sampling function. For simultaneous monitoring of 10 digital (ISM, RS485) and 2 analogue sensors such as pH, redox, conductivity, Te, O2, level, Flow The integrated sampling function, in conjunction with the optional sampling module, enables sensor-controlled event-proportional sampling.

An optional LTE/2G modem allows the wireless communication to the ORI Mcloud, or data transfer via emails/FTP or SMS directly out of hazardous location area ATEX zone 1.

The new, removable control panel shows all the information you need at a glance. Easy to operate via the ORI pen. Can be used as a mobile data storage device to download the unit's data within hazardous areas and transfer it to a computer in the office. With integrated Bluetooth and USB connection.



⇒ Abnehmbares Display



⇒ mehrere Sensoren parallel





Features

Ex II 2G IIB T4

- **ATEX certified for zone 1 and 2**
ISM-sensors may be operated in zone 0.
- **Multi-channel + Multi-parameter-transmitter and data logger**
for Mettler Toledo ISM, EOG, RS485 and 2xmA-Sensors (active/passive).
- **„Plug and play“ connection** of up to 4 Mettler Toledo ISM sensors in parallel
(pH, ORP, Te, conductivity, O2, CO2...)
- **RS485 as Master/Slave function** *(e.g. for a Mettler load cell)*
- **Expandable through optional sampling module**
for a event-proportional sampling
- **Optional LTE modem for wireless transmission**
Automatic data transfer via email /FTP and to ORI Mcloud
- **Removeable Display**

Technical Data: ORI NEMO 1/2 T (transducer)

ATEX / IECEx	NEMO 1  II 2 G IIB T4 / NEMO 2  II 3 G IIB T4	
Norm	CE; ATEX; DIN 38402-11; DIN EN ISO 5667-1; ISO 5667-10; EN 16479-1 with a rated head up to 4.5 with a optional "ORI PumpModul"	
Degree of protection	IP 65	
Operating voltage	230 V / 50 HZ (NEMO 1 / 2); 110-120 V / 60Hz (NEMO 2)	
Max. Current consumption	6.5 A	
Transmitter Inputs/Outputs	4x one wire for digital ISM Sensors Mettler Toledo: pH, conductivity, ORP, O2, Temp. or EOG Sensors: level, Temperature, VOC, RS485 sensors on request. Additional Inputs: 2 x DI, 2 x 4-20 mA, 2 x Namur, 2 x WDM (water detection), 1 x optical, 6 x RS 485 Outputs: 2 x DO (1 x open drain, 1 x 12VDC/500mA) for e.g. alarms	
Data memory	8 Gb data memory	
Dimension (B X H X T) / weight	(240 x 230 x 100):	5 kg
Sampling (optional)	"ORI PumpModul" with a peristaltic pump and collection drum (15 litres)	
Temperature	Operating temperature	0°C – +40°C
	Max. Ambient temperature	-20°C - +40°C

Optional communication module NEMO GSM:

With ATEX approval for zone 1/2

- LTE/2G Modem (EMEA) (CAT1 3,7,20 MHz / Dual-band 900/1800 MHz)
- Wireless communication to the Ori cloud, sending e-mail and SMS
- Automatic data transfer via email /FTP and to ORI Mcloud



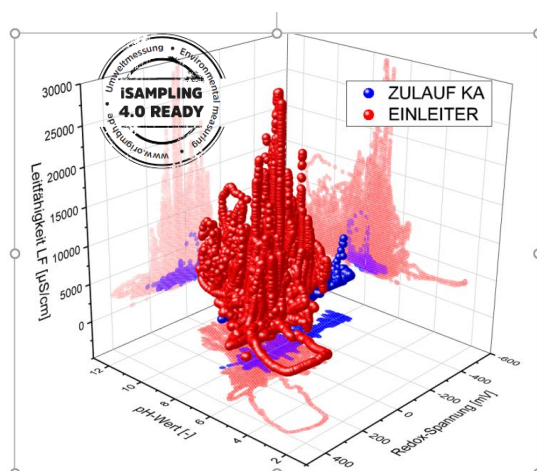
Optional sampling function

The sampling function integrated in the NEMO T together with the "ORI PumpModul" enable event-proportional sampling.

The combination NEMO T + "ORI PumpModul" is thus iSampling 4.0 ready.



event-proportional



iSampling 4.0 ready

- Automatischer Probenahmestart bei Verletzung der oberen und unteren Messgrenzen
- Automatischer Probenahmestart ausgelöst durch Messkörper-Kennwerte
- Datentransfer zur ORI Mcloud
- Steuerung der Probenahmefunktion auf der ORI Mcloud



ORI Mini
sampling module