

# ATEX Instrumentation

For explosive areas



For measurements in explosive atmospheres (EX area), WTW offers the complete EX measuring equipment with sensors, EX-compliant accessories, EX-transmitter, isolated amplifier and certificates.

*EX pH/ORP Armatures and Combination Electrodes*

*see page 16*

*EX Conductivity Measuring Cells*

*see page 20*

#### **Fields of application:**

- Zone 1 IIB
- Zone 1 IIC
- Inlet
- Channels
- Pumping station



see also [www.xylymanalytics.com/en/products/process-controllers-and-sensors/atex-controller-and-sensor](http://www.xylymanalytics.com/en/products/process-controllers-and-sensors/atex-controller-and-sensor)

# EX monitors

The EX compliant monitor accepts the EX versions of the proven pH and conductivity sensors SensoLyt® and TetraCon®. Besides a clear display with color backlight, the monitor is equipped with 1 or 2 current outputs. Additionally, the monitor convinces with its operational capability in the temperature range of -20 °C ... 65 °C.



- EX certified
- Color backlighting
- For high ambient temperatures



## EX monitor for pH

for pH measurements

*analog pH electrodes see page 20*

## EX monitor for Cond

for conductivity measurements

*analog conductivity measuring cells see page 20*

### Ordering Information

Model	Description	Order No.
<b>EX monitor pH-0</b>	pH transmitter with 1 analog current output	109444EX
<b>EX monitor pH-1</b>	pH transmitter with 2 analog current outputs	109445EX
<b>EX monitor LF-0</b>	Conductivity transmitter with 1 analog current output	300944EX
<b>EX monitor LF-1</b>	Conductivity transmitter with 2 analog current outputs	300945EX



*For technical data please see datasheet D3.01*

*Alternatives and accessories see brochure "Product Details" and website*

*Isolated amplifier see below*

*Analog monitors see from page 62*

# Isolated amplifier

The isolated amplifier supplies the EX compliant monitor with auxiliary voltage and transfers the measured value. It can be connected directly to the PLC or as 24V version to the MIQ/IC2 of the IQ SENSOR NET.



- Maximum safety
- Secure separation and isolation of input, output and auxiliary power



### Ordering Information

Model	Description	Order No.
<b>Isolated amplifier</b>	Isolated amplifier to power the EX-transmitter in an intrinsically safe way, power supply 90 ... 253V, explosion protection II (1) G [Ex ia Ga] IIC.	109446EX
<b>Isolated amplifier Opt. 336</b>	Same, but with supporting power supply 24 VAC/DC	109447EX



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*EX monitors see above*

*Analog monitors see from page 62*