

# Setable filtration pump & trigger function protect equipment and save money

## The different operating modes of the Alyza IQ NH<sub>4</sub> HR

With the setable filtration pump of the Alyza IQ NH<sub>4</sub> HR, you can switch from continuous operation to discontinuous operation. This not only protects the filtration and the analyzer, but also reduces power consumption. Nevertheless, the timely start before a measurement means that a current sample is always available.

The trigger function enables event-controlled sampling with close monitoring. In combination with a longer standard interval, you can adapt the measuring frequency to your individual requirements. The following pages show examples of the different operating modes. For details, such as connecting a trigger cable, settings for the filtration pump or the measuring interval, please refer to the operating instructions for the Alyza IQ NH<sub>4</sub> HR.



Alyza IQ NH<sub>4</sub> HR

### Operating mode 1

- Trigger function off
- Measuring interval 1.5 h
- Filtration pump continuously



The filtration pump continuously feeds sample into the overflow vessel. A sample is taken from there depending on the set measuring interval and a measurement is carried out.

### Operating mode 2

- Trigger function off
- Measuring interval 1.5 h
- Filtration pump discontinuously



The filtration pump only feeds the sample into the overflow vessel immediately before the measurement and stops after a short follow-up time. A sample is taken from the overflow vessel depending on the set measuring interval and a measurement is carried out.

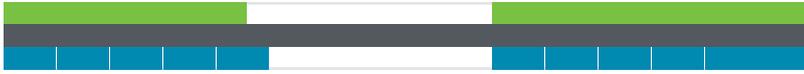
### Color coding

- Trigger function
- Filtration pump
- Follow up
- Measurement



### Operating mode 3

- Trigger function on
- Measuring interval off
- Filtration pump continuously



A discontinuous operation is not possible when trigger function is active. A sample is only taken from the overflow vessel and analyzed, if a trigger signal is present. Measurements are taken at 30 minute intervals for as long as the trigger signal is present.

Only when the trigger signal is no longer present the measurement stops and the filtration pump continues to run. If a trigger signal is present again, the measurement starts again.

### Operating mode 4

A particularly interesting variant is the combination of active trigger function and measuring interval.

- Trigger function on
- Measuring interval 1.5 h
- Filtration pump continuously



The filtration pump continuously feeds sample into the overflow vessel. A discontinuous operation is not possible when trigger function is active. A sample is taken from the overflow vessel according to the measurement interval and a measurement is carried out. As soon as a trigger signal is present, the system automatically switches to a 30 minute measuring interval.

Only when the trigger signal is no longer present the Alyza IQ NH<sub>4</sub> HR switches back to the measuring interval. This operating mode provides regular measured values, the availability of which increases significantly in case of an event.

#### Color coding

- Trigger function
- Filtration pump
- Follow up
- Measurement



Alyza IQ NH<sub>4</sub> HR on the web:



Do you have further questions?

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