

Setable filtration pump & trigger function protect equipment and save money

The different operating modes of the Alyza IQ NH₄ HR

With the setable filtration pump of the Alyza IQ NH₄ 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 NH₄ HR.



Alyza IQ NH₄ 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.

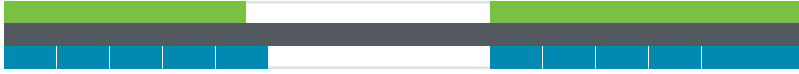
Color coding

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 NH₄ 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 NH₄ HR on the web:



Do you have further questions?

Please contact our
Customer Care Center

Xylem Analytics Germany Sales GmbH & Co. KG
Am Achalaich 11
D-82362 Weilheim, Germany

Tel +49 881 1830
Fax +49 881 183-420
Info.XAGS@Xylem.com

[xylemanalytics.com](https://www.xylemanalytics.com)

Subject to technical change without notice.

© 2024 Xylem Inc. or its affiliate. All rights reserved. All names are registered tradenames or trademarks of Xylem Inc. or one of its subsidiaries
T202401 . April 2025

xylem
Let's Solve Water