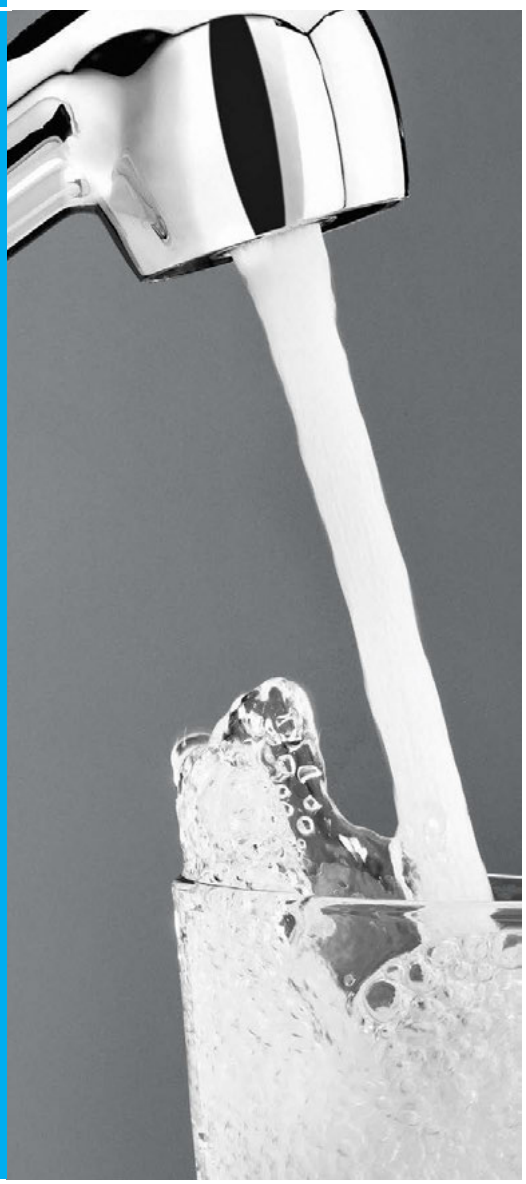
Turbidity measurement without product loss

Turbimax CUS52D inline sensor for drinking and process water



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The complete package for your water treatment

- Highly accurate and reliable monitoring of your water quality – even at the lowest turbidity
- No water or product loss thanks to hygienic inline measurement
- From ultrasonic to air bubble trap: practical self-cleaning functions allow for unattended operation
- Smart verification and calibration: absolutely safe, liquid-free, without Formazin
- Great flexibility, simple handling: one sensor for all of your measuring points

Turbimax CUS52D without and with hygienic clamp

Solid state reference CUY52

Flow assembly Flowfit CUA252 with ultrasonic cleaning CYR52

Flow assembly Flowfit CUA262

Measuring results like in the lab
Turbimax CUS52D accurately and reliably (ISO7027) measures turbidity even in the clearest water. The accuracy is independent of the installation environment: the optical sensor can be applied from inlet to outlet in all measuring points of your water production.

Turbidity measurement without product loss Thanks to its hygienic design, you can mount the CUS52D directly into your pipeline. This way you will save on extensive bypass installations and avoid product loss. Its quick reaction time allows for improved process control and, due to Memosens plug & play digital technology, factory calibration and automatic venting of the corresponding CUA252/CUA262 flow assemblies, you can easily integrate the sensor into your process.

Unattended operation Air bubbles and contamination are everyday challenges in turbidity measurement. Not with the CUS52D! Its special surface minimizes the build-up of biofilms and particulates. In addition, with its ability to operate at high pressures (up to 10 bar), air bubbles are suppressed. What's more, with the optional air bubble trap, even the smaller air bubbles are caught. In particularly persistent cases, the CYR52 ultrasonic cleaning system removes surface contamination without direct product contact. This way you can perfectly plan your service intervals and conduct your turbidity measurements unattended over a long period of time.

Smart verification and calibration
Safety is our highest priority – for your process and your staff. Therefore we have developed smart solid state references for verification and calibration. Their execution is ingeniously simple and does not require the use of any liquid e.g. the harmful Formazin. Consequently, you benefit from reliable and clear results with every turbidity measurement.

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