MAC 100 – The converter with a proven operating and service concept from flow – now also for analysis

Why make things complicated when there is an easier and more economical way? To operate water and wastewater processing plants efficiently you need to rely on a large number of different parameters for control and regulation of your processes. This means you have to get to know a very wide range of different installation, maintenance and operating methods for the measuring equipment used.

You can cut down this complexity with the MAC 100 converter. Whatever sensor is connected, the MAC 100 can master all tasks, and even better, it has a standardised operating concept, which is praxis proven since years in our flow and level converters. KROHNE is the only manufacturer to have a unified device concept to measure physical parameters as well as analytical parameters.

The benefit for you is that quick commissioning, reduced training times and standardisation of your hardware simplify the operating process and further reduce your costs.
Modular structure for tailored solutions

MAC 100 is based on the KROHNE General Device Concept (GDC). The modular structure means that the device can be adapted perfectly for your requirements: you specify the number and type of signal inputs and outputs. You define the complexity of the measuring point and the number of parameters. The standardised user interface also speeds up commissioning of the device and opens access to a wide range of diagnostic functions for devices and processes.

Mass produced reliability

Industrially reproducible zero-error quality requires a high number of units. With MAC 100 you can rely on KROHNE mass production quality, as the core of the device is based on our flow converters. This gives you the double benefit of high reliability and lower costs through industrial mass production.

Perfectly suited for water and wastewater applications

Additional functions specially designed for water and wastewater make the MAC 100 an all-rounder for your measuring and monitoring tasks. With automatic cleaning of the chlorine sensors and compensation of cross-sensitivities it provides consistently reliable data. Its robust aluminium housing with protection category IP66 means it is perfectly suited for external installation even in the harshest ambient conditions, such as those in sedimentation tanks or sludge treatment units.

Highlights:

• Standardised operating concept for all parameters
• Compatible with all OPTISENS sensors
• Up to two sensors can be connected in parallel
• Reliable and practical industrial design
• 3 current outputs
• Large graphic display
• Robust aluminium housing (IP 66)
• The MAC 100 supports the following parameters: pH/ORP, free chlorine, chlorine dioxide, ozone, hydrogen peroxide, conductive conductivity, inductive conductivity, dissolved oxygen and much more

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A well organised system

The modular design offers great flexibility in configurations from cost-efficient single-channel converters to complex measuring systems.

Both the analogue sensors and the digital sensors can be connected. This means that the wide variety of applications in the water and wastewater industry can be handled by one single converter.