

# Metering Box

The Universal-Controller for all control loops and pumps

Pump Technology  
Metering Technology  
Coupling Technology



# Metering Box

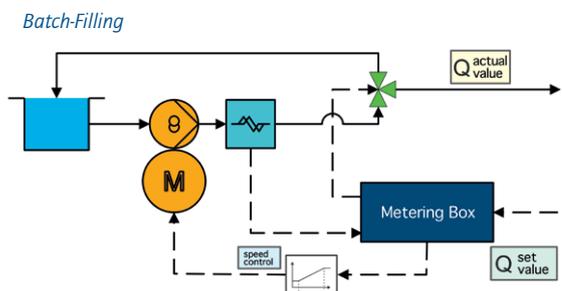
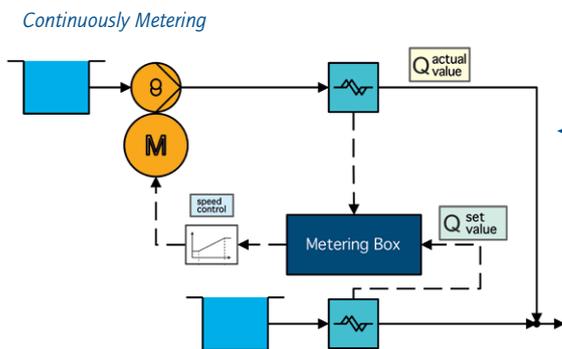
The Universal-Controller for all control loops and pumps

## Metering Box Universal-Controller

The PLC for all pump control loops. Exact metering or filling of liquids at the push of a button.

- Simple screen based operating ("easy plug and play use"), no programming skills needed
- "Autotuning" to calculate the control parameters (PID) automatically
- Easy to integrate in any kind of control loop, applicable for all metering and measurement systems
- Continuously dosing and batch filling are possible
- Independent of liquid viscosities
- Integrated "Master-Slave-Function"
- Integrated "Fail-Safe-Function"
- Applicable for all pumps (with a pulsating free characteristic)
- Special interfaces on request

## Complete system – Application Examples



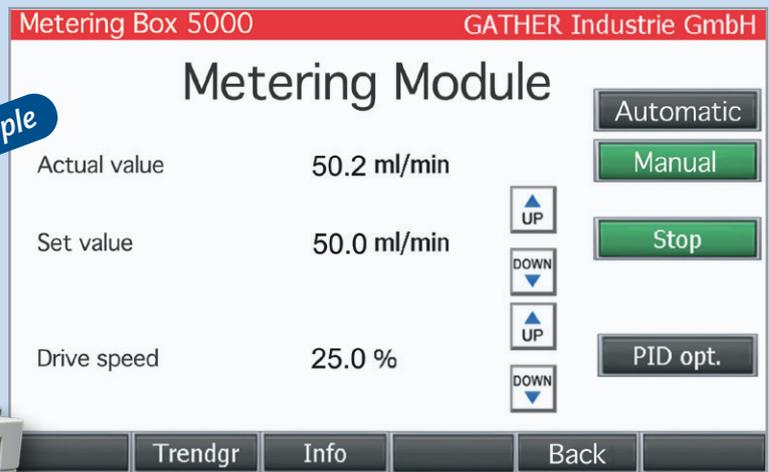
Any kind of control loop and measurement system:

- Any pump type can be integrated (with a pulsating free characteristic)
- Variable speed drive
- Independent of liquid viscosities
- volume flow (e.g. MID, Turbine)
- mass flow (Coriolis)
- pH-value
- pressure
- gearwheel meter
- ...

# Metering Box – Handling

The screen based operating interface enables a fast initial operation of different metering and measurement applications. After setting a few parameters of the measurement an automatic algorithm identifies the control loop parameters (PID-Controller) => AUTOTUNING.

Continuously metering and batch filling are possible, independent on the measurement application. All input/control values can be set and adjusted via the surface. Standard interfaces for digital storage and operating via PC are available.



Example





Pump Technology  
Metering Technology  
Coupling Technology

Quality - Made in Germany

Professional expertise:  
Personal engineering consultation  
inhouse and in the field

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