



DOSAControl DCW 400ip

The new controller generation for your sensors

Display and control of the measurement results from your liquid sensors via web-server (with any PC, smart-phone, tablet ...).

Measurement

Control

Dosing

Disinfection

DOSAControl DCW 400ip

All information about your liquid sensors via web server. At any time, from any place.



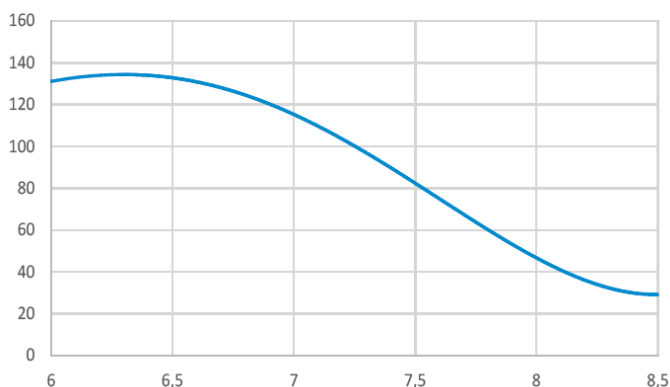
Features

- This modular controller **DCW 400ip** informs you about the status of your system for up to four channels.
- An internal web server rules out any unauthorised access.
- You are in control. If you are logged in as an authorised user, you can activate, change or deactivate all of the parameters.
- Different parameters (pH, redox, free chlorine, total chlorine, bromine, chlorine dioxide, ozone, hydrogen peroxide or peracetic acid-concentrations and many more) can be viewed on any modern web browser. In this case, no external (third-party) web server is necessary. You have full control over your data/readings.
- Unique – sensor compensation!
- The **DCW 400ip** is able to linearize the pH-fluctuations during the chlorine measurement.
- **DCW 400ip** check whether the sensor is operating in its specified measuring range and issues a warning if it leaves that range.
- Four digital level sensors inform about the level of chemicals in the containers, using a web browser, as a text string or as an email. You can decide which values, warnings or alarms you receive by e-mail.
- At least up to **50 variations of the measurements** are possible.
- High-Light – active chlorine calculation!
- Depending on pH and temperature, the effectiveness of the free chlorine is determined. That is why you're always on the safe side when disinfection.
- High safety standard with Watchdog. This additional processor monitors the main processor and secures the functions.

High-Light:

Active chlorine calculation!

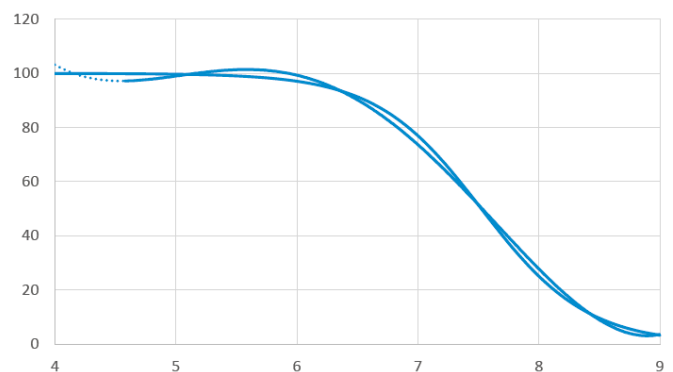
Error value in percent



Unique:

Sensor- compensation!

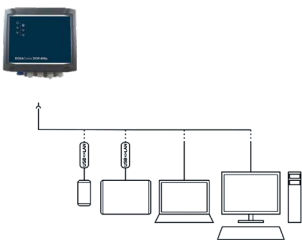
Effective chlorine in percent



Connection options with the DCW 400ip

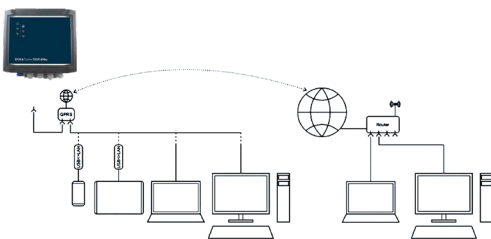


Simply configure the DCW 400ip according to your needs and options. The following options are available:



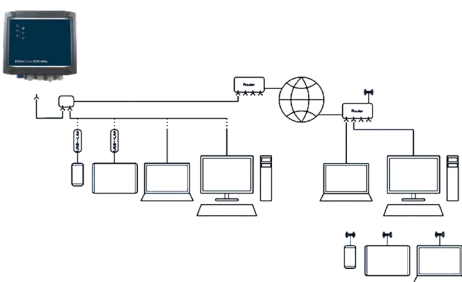
Connect directly to devices

DCW 400ip can be networked on any display device (USB devices with Ethernet, USB adapter, smart-phone, tablet, laptop ...)



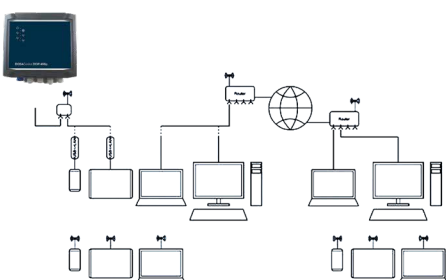
Connection via GPRS

- See the measurement results of your sensors
- Monitor the process
- Evaluate diagrams and statistics



Connection to the LAN

- Receipt of warnings and hints react accordingly
- Adjust settings
- Use the timer for special tasks



Connection to the W-LAN

- Lead your processes safely and stably
- With each connection option mentioned above!
- From any place at any time, always and everywhere

Ideal accessory for the DCW 400ip



pH-, redox- and conductivity sensors, as well as sensors with integrated electronics, for the membrane covered amperometric measurement of different parameters.

The most important fields of application, measure and regulate of:

pH- and redox sensors (electrodes)

Sensors adapted to your needs:

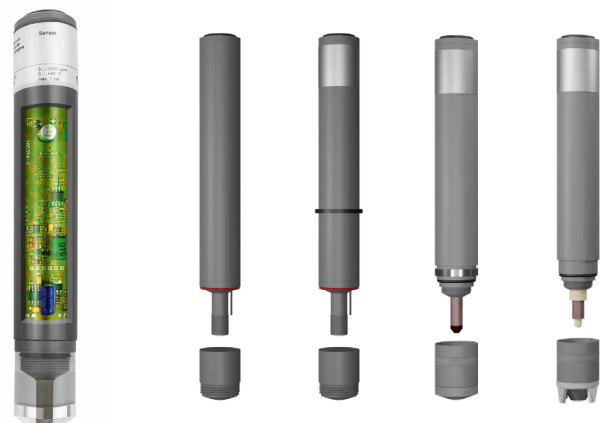
- ◆ pH and redox measurement
- ◆ from inexpensive to sophisticated

- ◆ Conductivity sensors, fittings and temperature sensor
Conductive, inductive (over 4 ... 20 mA), temperature:

- ◆ conductivity and temperature
- ◆ immer im richtigen Messbereich
- ◆ sicher über Armaturen im Prozess eingebettet

- ◆ Membrane-covered amperometric sensors with integrated electronics for highly accurate measurement of:

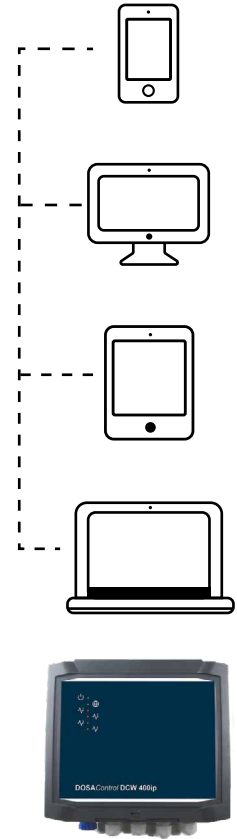
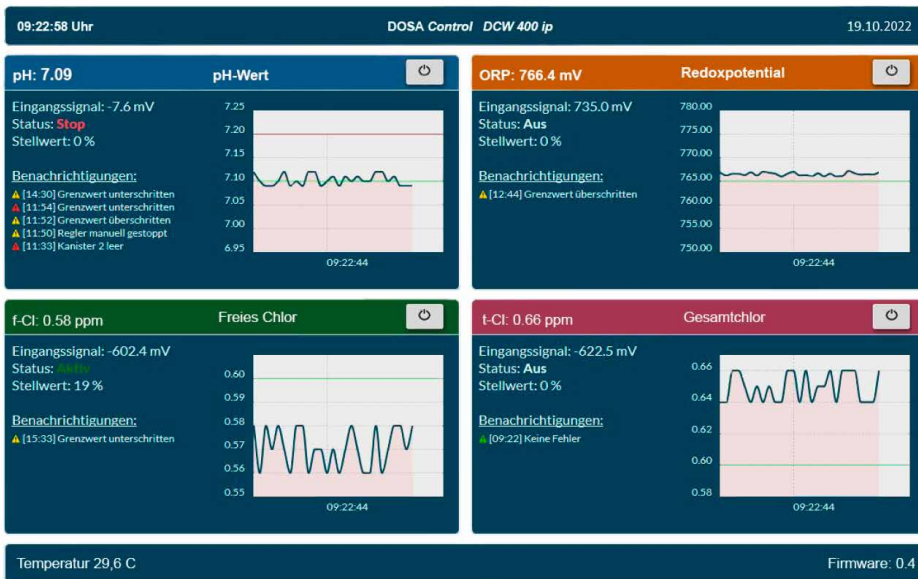
- ◆ pH
- ◆ redox
- ◆ chlorine, total chlorine, chlorine dioxide, chlorite
- ◆ ozone
- ◆ peracetic acid
- ◆ hydrogen peroxide
- ◆ bromine



Everything at a glance

On any network-enabled device:

- Display of the parameters
- Setting / Correction of parameters
- Warning in case of deviations
- Level warning via e-mail or text string



Applications

DOSAControl DCW 400ip – in multifunctional use.

The most important fields of application, measurement and regulation of:

	pH	redox	chlorine	chlorine dioxide	conductivity	timer function	bromine	hydrogen peroxide
Swimming pool	●	●	●					
Cooling Towers	●	●	●	●	●	●		
Waste water	●	●	●	●			●	
Beverage industry	●	●	●	●				●
Drinking water	●	●	●	●				



DOSAControl DCW 400ip

Summary

- **DCW 400ip** allows you to choose between modules for measuring pH, redox, free chlorine, total chlorine, bromine, chlorine dioxide, ozone, hydrogen peroxide or peracetic acid and it is also possible to carry out 4 simultaneous measurements with a single **DCW 400ip** unit.
- **DCW 400ip** checks whether the sensor is operating in its specified measuring range and issues a warning if it leaves that range.
- **DCW 400ip** calculates the effectiveness of the free chlorine at the current pH value and temperature.
- The 4 soft-controller can be connected to 4 relays or 2 optocouplers or to four analogue 4 - 20 mA outputs.
- You are in control. If you are logged in as an authorised user, you can activate, change or deactivate all of the parameters

Benefit from the advantages of direct information on site

- Now you can plan your work and your schedule more efficiently, because with the **DCW 400ip** you know in advance when chemicals are required, when you need to calibrate the sensors or when the values deviate.
- From any place, at any time with any web enabled device (smart-phone, tablet, laptop, PC, ...)
- Everything under control: whether from home, from the office, on the move or directly on site.
- The most comfortable way to control your processes.
- Without app - web address is enough.
- The internal web server rules out any unauthorised access.