Operating and Installation Instructions

Dosing unit

CPR Touch XL-2S / 1S / 0S



for dosing unit 2S without control unit

Corresponding to the operating instructions for the measuring and control unit:

CPR Touch XL, No.: BA MR 001

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These operating instructions are an English translation of the original German version by WDT.

Responsible for content:
Co. WDT - Werner Dosiertechnik GmbH & Co. KG
Hettlinger Straße 17
D-86637 Wertingen - Geratshofen
Phone: +49 (0) 82 72 / 9 86 97 – 0
Fax: +49 (0) 82 72 / 9 86 97 – 19
Email: info@werner-dosiertechnik.de

1 About these instructions / general

1.1 Scope of applicability

These instructions describe the functioning, installation, commissioning and operation of the CPR TOUCH XL dosing system along with the corresponding accessories.
The Operating Instructions must be read carefully before use and kept on the device for direct use
These operating instructions are valid in conjunction with the operating instructions for CPR Touch XL measurement and control unit No.: BA MR 001.

1.2 Target group

Only our authorised partners and persons who have been trained in the functioning of the device are permitted to work on the system, provided that they have read and understood these operating instructions.
Electrical connection work may only be carried out by appropriately trained specialists.

1.3 Symbols used

The following types of safety notices and general notices are used in this document:



DANGER
DANGER denotes a safety notice which, if disregarded, **may lead to serious or life-threatening injuries.**



CAUTION
CAUTION denotes a safety notice which, if disregarded, **may lead to minor or moderate physical injury.**



ATTENTION
"ATTENTION" denotes a safety notice which, if disregarded, may lead to **material damage or malfunctions.**



DANGER DUE TO ELECTRICAL VOLTAGE
DANGER DUE TO ELECTRICAL VOLTAGE denotes a safety notice which, if disregarded, may lead to **serious or life-threatening injuries, or to extensive material damage.**



CORROSIVE

CORROSIVE denotes a safety notice which, if disregarded, may lead to **injuries or material damage** when handling chemicals.



ESD-SENSITIVE

ESD-SENSITIVE denotes electronic components that may be damaged by electrostatic discharges. The generally accepted safety precautions for ESD-sensitive devices must be observed when handling the devices



Tip

A Tip denotes information that may result in improvements in the operating process.



Mandatory sign

Use face protection.



Mandatory sign

Use protective gloves. In accordance with DIN EN 374



Mandatory sign

Use protective apron.



Mandatory sign

Use protective boots.

1.4 Warranty

All WDT devices and systems are manufactured using modern production methods and are subject to comprehensive quality control. If reason for a complaint should nevertheless arise, please address the claim for compensation to WDT via your dealer in accordance with the general terms and conditions of warranty (see below).

General terms and conditions of warranty

WDT assumes a 2-year warranty, starting with commissioning, up to 27 months after delivery; subject to correct installation and commissioning with a completed and signed commissioning protocol.
Wearing parts such as seals, hoses, diaphragms, dosing screws, electrodes, roller carriers and other parts that are subject to mechanical or chemical wear and tear are excluded from this. We assume a warranty of 1/2 year for these items.
Our enterprise resource planning system requires an invoice for each delivery (including warranty services). When returning a defective component you will receive a corresponding credit, if applicable, following inspection. We request a return within 14 days.
The costs for consequential damage and for the processing of warranty claims are excluded.
There is no warranty entitlement for damage caused by frost, water and electrical overvoltage or by improper handling.



Tip

For the safeguarding of any warranty claims, please send the completed commissioning protocol together with the defective component to WDT. We reserve the right to assert a warranty regulation without the commissioning protocol.



ATTENTION

Modifications to the device are prohibited. Disregarding this instruction will lead to the warranty obligation and product liability becoming null and void.

1.5 Additional information

Additional information concerning specific topics such as interpretation of the dosing performance or description of the operating parameters is available from your specialist dealer or directly from:

WDT Werner Dosiertechnik GmbH & Co KG
Hettlinger Straße 17
86637 Wertingen - Geratshofen, Germany
Phone +49 8272 98697-0
Fax. +49 8272 98697-19
http://www.werner-dosiertechnik.de

2 Safety

2.1 Intended use

The CPR TOUCH XL dosing system may only be used for the purposes described in the product description. Also pay attention to locally applicable regulations concerning accident prevention, occupational safety and drinking water protection.

2.2 Safety notices

Carefully read and follow the operating instructions prior to installation and use of the device. Work on the device and changes to the settings may only be carried out by properly instructed persons.

Pay attention to the warning notices on the device



2.2.1 Handling chemicals and risks to humans and the environment

In the event of an emergency when dealing with chemicals you can also contact the emergency centre for poisons.

Emergency number:

Munich Emergency Centre for Poisons (or any other centre for poisons)

Telephone: +49 89 19240

Excerpt from the GUV-V D 5 accident prevention regulations
Installation rooms for chlorination systems and storage rooms
Section 3a. (1) Chlorination systems must be installed in lockable rooms and the chemicals intended for chlorination must be stored in lockable rooms.
Re Section 3a Para. 1:
This requirement ensures that chlorination systems and chemicals shall be protected against weather effects and unauthorised access.
(2) Rooms in accordance with Para. 1 must not be intended for the permanent presence of persons.

Re Section 3a Para. 2:
..... A "permanent" presence is given when persons are present in the room for more than 2 hours per day. Repair and maintenance work on the chlorination system are exempt from this.

2.2.2 Protective measures and rules of conduct



CORROSIVE! SAFETY EQUIPMENT!

The CPR TOUCH XL dosing system doses both the disinfectant and the pH regulator from the dosing canister.
For this reason, the greatest possible care must be taken when working with chemicals and it is essential that personal safety equipment is worn:
Face protection, protective gloves, protective apron, boots.

The disinfectant and the pH regulator must not be mixed with each other or with other chemicals or substances.

Store chemicals so that they are not accessible to unauthorised persons.
Follow the instructions in *Chapter 3.5, Storing chemicals,* when storing chemicals.

Additional information can be found in the chemical manufacturers' safety data sheets



ESD-SENSITIVE

The electronic components in the device control units are sensitive to electrostatic discharge. The generally accepted safety precautions for ESD-sensitive devices must be observed when handling the components.

- **Disconnect the device from the voltage supply**
- **Discharge personal static charge**

3 Product description – scope of delivery

3.1 Scope of delivery / Accessories

The scope of delivery includes the CPR TOUCH XL dosing system, which consists of the following components:

- Control unit with 7" colour display (see OI Part 2)
- Dosing appliance for disinfectant (optional)
- Dosing appliance for pH regulator (optional)
- Suction set
- Fine filter

The following accessories are available for the dosing system

a) Remote display

3.2 Product description

The CPR TOUCH XL dosing system is designed for carrying out measuring and control tasks when treating swimming pool water for public and private swimming pools.

- **CPR Touch XL-2S with 2 peristaltic pumps**
- **CPR Touch XL-1S with 1 peristaltic pump**
- **CPR Touch XL-0S without peristaltic pump**

3.2.1 Functioning of CPR TOUCH XL dosing unit

The CPR TOUCH XL dosing system doses the disinfectant and the pH regulator required for neutralisation into the piping of the swimming pool water circuit.

Functions of the CPR TOUCH XL

- Measuring free chlorine with open measuring cell, potentiostatic pH value, redox potential and temperature
- Controlling chlorine dosing using the measured value for free chlorine or redox potential.
- Disinfectant dosing using peristaltic pump from the supply canister
- pH regulator dosing using peristaltic pump from the supply canister

3.2.2 Mounting plate with control unit, dosing unit and measuring cell block

The dosing device is delivered as a ready-assembled unit on a mounting plate. This ensures that the device is securely installed.
Both electrodes with a glass shaft have been removed from the measuring cell and delivered in a packaging box for transportation purposes. The roller carriers for the peristaltic pumps have been removed from the motor shaft and are enclosed in order to prevent the dosing hoses from becoming deformed during prolonged storage.

The device is fitted with a touch-sensitive display. Touching a symbol or a numeric value activates this for parametrisation. The calibration menus come with additional text-based instructions.

The dosing technology is colour-coded throughout in order to eliminate the risk of confusing both chemicals as far as possible. The colour-coding runs from the suction lance over the associated dosing pump to the dosing valve. The parts used for pH value control are located to the left and coded red. The components used for disinfection are located on the right and coded yellow.

Tipp

Tip

The chemical containers with collecting basins must be provided by the customer. Observe the locally applicable regulations when handling chemicals.

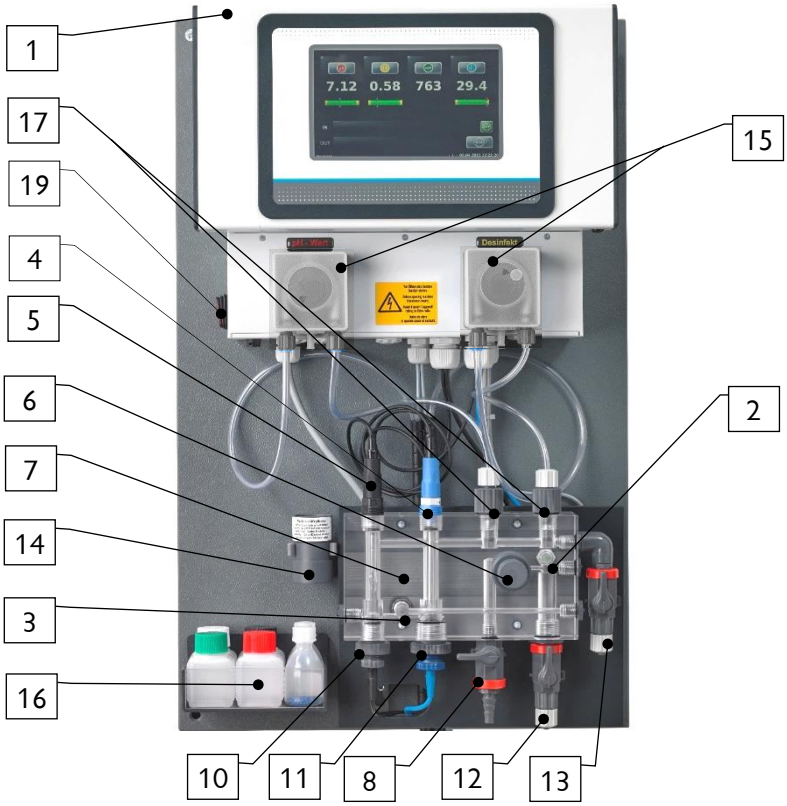


Figure 1, CPR Touch XL-2S

1. CPR Touch XL control unit
2. Flow monitoring
3. Temperature sensor
4. Combination reference-counter electrode (blue)
5. pH electrode (black)
6. Flow control valve
7. PMMA measuring cell block
8. Test water tap
9. Prefilter (optional, for wall-mounting, not depicted)
10. Redox electrode
11. Chlorine electrode
12. Measuring water inlet
13. Measuring water return flow
14. Redox test cylinder
15. Dosing pumps Sa (optional)
16. Buffer solutions and electrode cleaner
17. Dosing valve (optional)
18. Suction set (not visible in image) (optional)
19. Main switch

3.2.3 Disinfectant and pH regulator dosing



Figure 2, pH and disinfection dosing pump

The pH dosing in the CPR TOUCH XL is used to control the pH-Value. The pH dosing is controlled automatically by the control unit.
pH and disinfectant dosing are performed using peristaltic pumps (15). Peristaltic pumps are also able to transport even the smallest dosing quantities reliably and evenly even when air or gas bubbles are trapped in the suction line. The rotating rollers press the dosing hose against the casing wall which pushes the liquid in the hose out from the rollers while simultaneously feeding behind it. It is exceptionally reliable and easy to operate.
The peristaltic pump sucks the chemicals through the suction set (18) from the chemical canisters. The fill level in the canisters is determined for the empty signal using level switches.

Use acid based on 37-50% sulphuric acid as a pH reducer. Concentrated **hydrochloric acid** destroys the peristaltic pump – **dilute to below 10%. Do not use concentrations above 20%** (approx. equivalent to 10% sulphuric acid) in solutions consisting of **sodium bisulphate** "dry acid".



Tip

With a hydrochloric acid concentration of more than 10% a Viton hose must be used in the peristaltic pump. This is resistant to a maximum acid content of 33% and must be replaced every 6 months.

Use sodium hypochlorite as a disinfectant.

3.2.4 CPR Touch XL control unit (standard)

Control unit (version CPR TOUCH XL)
See the operating instructions for the "CPR-Touch XL measurement and control unit", No.: BA MR 001.

3.3 Identification of the device / identification plate

Enter the data from your device's identification plate here.

Typ: CPR-Touch XL 2S
Art.: _____ Serien Nr.: _____
230V/AC 1Ph ~50Hz I max. 2A
Dosierleistung Cl max. 2500ml/h
pH max. 1250ml/h
CE Herstellung __.__.____
WDT - Werner Dosiertechnik GmbH & Co. KG
Hettlinger Str. 17 D-86637-Wertingen

Field 1: Item no.:
Field 2: Serial No.:
Field 3: Enter the date of manufacture

3.4 Technical data

	CPR TOUCH XL
Dimensions and weights:	
Device dimensions	W 48cm, D 17cm, H 67cm
Device space requirement (base)	W 100cm, D 80cm, H 200cm
Space requirement, including operation and maintenance	W 100cm, D 120cm, H 210cm
Empty weight / operating weight	Approx. 12kg / 12.3kg
Connection data	
Electrical connection data	230VAC/50Hz ± 10%, 8W, I max. 2A, safety plug
Protection class	IP 54
Hydraulic connection data	6 x 1 mm intake 6 x 1 mm outflow
Required duct connection	—
Operating pressure Required inlet pressure max. permissible counter-pressure	max. 2.0 barg min. 0.2 barg 0 - 1.0 barg
Water supply	From swimming pool using measuring water pump: Flow pressure min. 0.2 barg In exceptional cases: Between circulation pump and swimming pool filter, before chemical dosing Flow pressure min. 0.2 barg
Operating data:	
Dosing performance disinfectant Dosing performance pH regulator	0.2 l/h, 0.7l /h or 2.5 l/h, depending on design 0.1l/h, 0.35l/h or 1.25l/h depending on design
Water flow	100 l/h
Medium temperature Ambient temperature Humidity technical room	5°C to 35°C 5°C to 35°C Max: 70%
Room ventilation (in and out)	
Material	Other functional parts: PVC or PE Seals: EPDM, Viton

3.5 Transport / storage

Please check the devices immediately upon receipt for potential transport damage.



ATTENTION

The device may be damaged by frost or high temperatures. Avoid exposure to frost during transport and storage.
Do not store systems and devices next to objects with strong heat emission or in direct sunlight. The device may only be transported and stored in its original packaging. Please ensure careful handling.



Storage of chemicals

DANGER

Please follow the instructions in the chemicals manufacturers' safety data sheets

- In addition, the **locally applicable regulations** regarding the storage of chemicals must be observed. For example, in Germany: TRGS 510
- Use a suitable collecting basin. Check the locally applicable regulations for collecting basins without type approval. For example, in Germany, collecting basin with a capacity of more than 20 litres require building authority approval.

4 Installation

4.1 Selecting the installation site

Pay attention to the following in relation to the installation site:

1. A freely accessible place of installation should be selected to facilitate operations and subsequent maintenance tasks.
2. Observe the temperature specifications for the ambient atmosphere and the medium in accordance with *Chapter 3.4 Technical Data.* No flammable vapours, dust or gases may be present in the immediate vicinity of the device.
3. The device must not be exposed to the elements. It may not be installed outdoors. The system must be protected from frost and direct sunlight.
4. An electrical connection must be available. An Internet connection will also be required if online functions are used.
5. The operating room must not be used as a room for permanent occupancy. (max. 2 hours per day), consult the locally applicable accident prevention regulations (Germany BGR-GUV-R 108).
6. It must comply with the accident prevention regulations and should not be accessible to unauthorised persons. A separate storage space must be available for the chemicals.
7. Collecting basins must be provided for the chemical containers.
8. It must be possible to vent and aerate technical areas so that hazardous substances do not occur in concentrations hazardous to health (from accident prevention regulations BGR-GUV-R 108).

4.2 Installation instructions / installation suggestion

- Unpack the device
- Put up warning and information signs in accordance with the applicable local accident prevention regulations (Germany: BGR-GUV-R 108).

Suggested installation

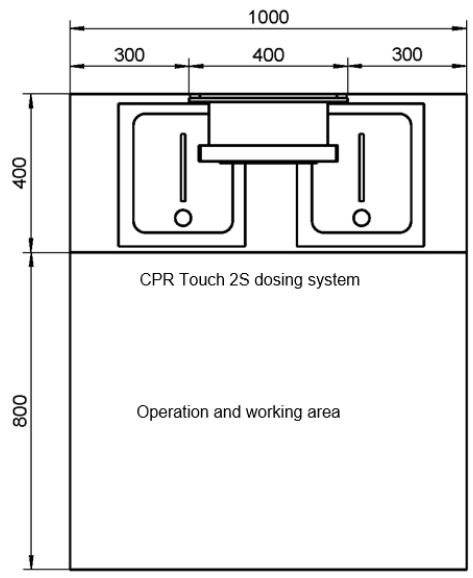


Figure 3, Suggested installation including space requirements

Ensure that there is sufficient clearance for operating and servicing the device.

4.3 Mechanical installation

The dosing system is delivered pre-assembled on the mounting plate. Mount the device on the wall in the plant room using 4 screws. The selected installation height must be chosen to ensure that the display is located at eye level. Measure the four drill holes on the mounting plate and mark their location on the wall. Use dowels and screws appropriate for the type of masonry.

Place the dosing canister and the corresponding collecting basin under the device.

Tipp

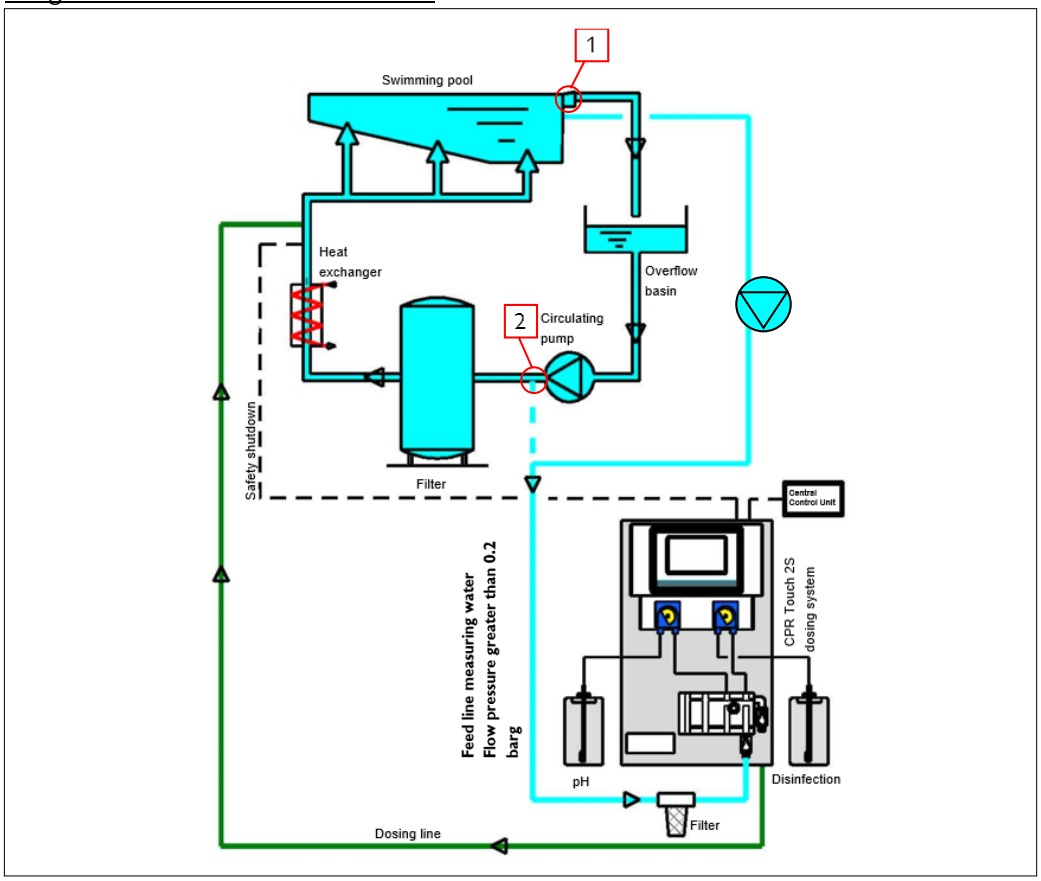
Pay attention to the positioning of the container,

→ pH value control chemical (red) on the left and

→ disinfectant chemical (yellow) on the right.

4.4 Hydraulic installation

Integration into the water circulation:



Achtung!

ATTENTION

Ensure that all of the ball valves on the measuring cell block are closed before beginning any connection works.

The valves must be closed and the lines depressurised to prevent injury and damage during all installation work.

Flow

Only a proper pool flow can achieve satisfactory control of the auxiliary hygiene parameters, i.e., free chlorine, pH value and redox potential. The dosed chemicals must reach all areas of

the pool within a short time. The concentrations measured in different areas of the pool must be approximately the same even under stress.

Measuring water removal

Choosing the right measuring water removal point is crucial for the effectiveness of the measuring and control technology. If possible, the measuring water should be identical to the pool water. It should be possible to detect changes in the pool's water quality as quickly as possible using measuring technology. This is the only way to quickly compensate for changes in the basin water quality by means of additional chemical dosing. The optimum removal point can be located by measuring the chlorine concentration at different points (e.g., downstream of the circulation pumps, mixed water, etc.) and comparison with the values from the basin water in various operating conditions.



ATTENTION

No chemicals may be added upstream of the sampling point as this would distort the measurement results.

If the basin water is conducted through an overflow gutter and a compensation pool (splash water pool), also possibly used for the freshwater feed-in, only sampling the measuring water directly from the swimming pool basin will lead to satisfactory measuring and control results. In new systems, measuring water must be withdrawn directly from the basin in accordance with DIN 19643.
Ensure that any existing connections are not blocked. The pipes should be kept as short as possible.

There are 2 options for the water removal point:

Option 1: *(see Figure 4)* Swimming pool water directly from the pool

- Water removal at least 30 cm below the surface of the water.
  Transporting the measuring water to the CPR Touch by means of the measuring water pump.

Option 2: *(see Figure 4)* Swimming pool water before the swimming pool filter

- Water intake between the circulation pump and the swimming pool filter before the chemical dosing units (flocculation, activated carbon). The differential pressure between the measuring water supply and the return must be at least 0.2 bar.
- If the basin water is conducted through an overflow gutter and a compensation pool (splash water), which is potentially also used for the freshwater feed-in, only the removal of the measuring water directly from the basin will lead to satisfactory measuring and control results; i.e., select option 1.
- Connect the measuring water inlet *(item 12)* of the CPR TOUCH XL to the water removal point.

Measuring water recirculation (dosing point)

In order to prevent corrosion, the injection point for the measuring water recirculation must be installed downstream of the heat exchanger in the direction of flow since the chemicals are added to the measuring water. The dosing line must be routed from the dosing unit to the dosing point.

- Connect the CPR TOUCH XL's measuring water return line (item 13) to the water return point (dosing point).

Prefilter (optional)

It may not be possible for the pool operator to notice a contaminated prefilter underneath the design cover. For this reason, the prefilter must be installed at an easily accessible location in the measuring water inlet line. Depending on the local conditions, the prefilter can be installed directly at the device or at any other good installation site along the pipe. This has the advantage of the pool operator being able to select a convenient access point.

4.5 Electrical installation

DANGER DUE TO ELECTRICAL VOLTAGE

Electrical installation may only be carried out by qualified electrical technicians. The power supply must be switched off and secured against being switched back on before any electrical work is carried out.

Electrical connection

Open and close the housing





Plastic slotted screw

Figure 5, Control housing

The display lid can be swivelled either to the left or right for installation and maintenance work depending on the type of device.

- The locking axle must be removed for rotating. The locking axle is identified by the plastic slotted screws on the top and bottom of both sides.
- The other side is equipped with two expanding rivets as pivot bearings.

The device must be supplied with continuous voltage, i.e., the power supply must not be locked with the filter system. **A digital input is available for locking the dosing with the swimming pool filter system.**

For electrical installation, see also the terminal diagrams in the control unit's terminal casing or in the OI for the CPR Touch XL measuring and control unit in *Chapter 9.2*.

For signals to and from outside, see wiring diagrams

ATTENTION

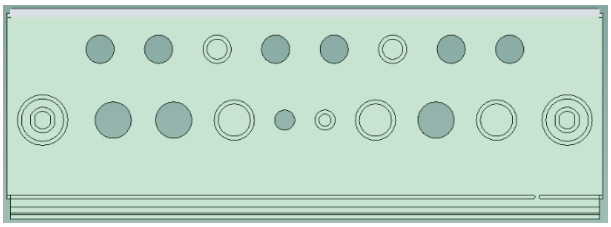
External activation of the inputs must be done potential-free.

Bear in mind the maximum contact current capacity of the relay contacts.

The power supply for the dosing device must always be ensured.

The external control inputs and outputs (shut-down in the event of fault, disinfectant dosing during backwashing, etc.) must be clamped to the clamping connectors of the baseplate in the control housing. Please do not use any rigid wire conductors.

Insert lines



The housing comes with several factory-made free screw connections. Several push-outs for metric screwed cable glands are available for additional insertions.
The two external screw connections with M25 are intended for the insertion of a prefabricated interface cable with RJ45 plug.



ATTENTION

Please adhere to the spatial separation between energy and signal lines when inserting additional lines. The crossing of energy and signal lines must be avoided.

The housing must be properly closed again upon completion of work.

The device is equipped with a temperature control. This temperature control can be used to regulate the pool water temperature. If the basin is heated by means of a flow-through heat exchanger, it must be ensured that the associated heating circuit pump can only be activated when the filter system is in operation and that the temperature sensor is installed after the heat exchanger in the flow direction using an immersion sleeve.
Please remember that regulation of the pool temperature can only be guaranteed if the filter operation times are set to an appropriate duration.
Marked differences in the water quality must be expected if the pool is being operated with an overflow gutter and a splash water tank into which freshwater is also allowed to enter. In order to ensure perfect control quality in this case, it is recommended that the measuring water is withdrawn directly from the basin using a separate measuring water pump.

5 Commissioning

5.1 Commissioning - Remarks



ATTENTION

This chapter must also be observed whenever the system is restarted following an interruption in operation.

The work described here may only be carried out by trained specialist personnel from a specialist company. The installed systems must be checked for proper installation and leaks prior to commissioning.
Please use the commissioning protocol from *Chapter 9.3* for commissioning. The device was delivered with specific factory settings. You can find the setting values in the operation data sheet in *Chapter 9.4*.

5.2 Commissioning

Before starting the commissioning process, ensure that the ball valves on the measuring cell block (7) of the control unit are closed.

5.2.1 Installing peristaltic pumps and roller carriers

The description applies to both peristaltic pumps of the CPR TOUCH XL.

1. Remove the clipped-in transparent pump cover and the retaining washer. Pull the hose bracket forwards out of the guide in the casing.

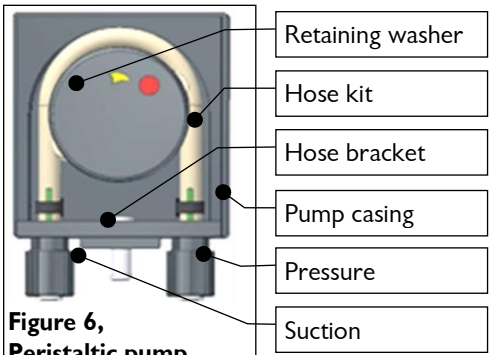


Figure 6, Peristaltic pump

2. Push the roller carrier provided onto the axle.



Figure 7, Insert roller carrier

3. Insert the hose bracket into the casing guides until it firmly snaps into place.



Figure 8,
Insert the hose bracket

4. Rotate the roller carrier whilst gently pushing the hose into the housing until it is fully seated inside.

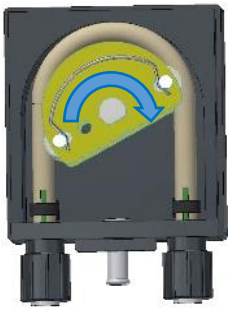


Figure 9,
Rotate the roller carrier

Now attach the retaining washer (with red dot for pH dosing or with yellow dot for disinfectant dosing). Next, attach the transparent pump cover. This completes the installation of the roller carrier.

Proceed in reverse order to dismantle the roller carrier and the hose bracket.

5.2.2 Preparing pH control and disinfectant dosing for operation



PROTECTIVE CLOTHING

Personal protective equipment (protective gloves, an apron, face protection and boots) must be worn when working with chemicals
Adhere to the specifications for each chemical contained in the safety data sheets.

Connect dosing canister



CAUTION

The chemicals and the suction lances must not be interchanged. Pay attention to the colour coding.
Components marked with red must be used for pH dosing.
Components marked with yellow must be used for disinfectant dosing.
Do not use any hydrochloric acid as this diffuses through the dosing hose and corrodes the dosing motor. We recommend consultation with the manufacturer.

Toxic fumes may arise when handling chemicals. Do not inhale any fumes.

1. Unscrew the screw cap with the suction lance from the empty dosing canister, place the suction lance in the collecting basin and immediately close the empty canister using the original screw cap.

2. Lift the empty dosing canister out of the collecting basin.
3. Place the full dosing canister into the collecting basin. Pay careful attention to the colour coding.
4. Unscrew the screw cap from the full dosing canister, immediately insert the suction lance into the canister and close it securely.
5. Store the dosing canister's original screw cap until the next time the canister is replaced.

Plug the safety plug into a corresponding power socket and turn on the device at the main switch.



Tip

This concludes the commissioning of the dosing unit. For further commissioning and the operation and setting of the control unit, continue reading the Operating Instructions Part 2, *CPR-Touch XL No. BA MR 001* Measuring and Control Unit *in Chapters 5 and 6.*

6 Operation / Use

The nationally applicable accident prevention regulations in Germany: Operation of Swimming Pools (BGR/GUV-R 108) must be complied with.

6.1 General

To operate and set the dosing device, continue reading the Operating Instructions Part 2, CPR Touch XL No. BA MR 001 Measuring and Control Unit *in Chapter 6.*

6.2 Replenishing consumables



CAUTION

Follow the instructions in the safety data sheets for each chemical.

- Refilling pH regulator or disinfectant
  see *Chapter 5.2.2* Connecting Dosing Canisters on replacing the pH regulator or disinfectant canisters.

7 Maintenance, care and faults

7.1 Device maintenance

We recommend that you assign a specialist firm to carry out regular maintenance.



Tip

The maintenance work required for trouble-free operation is listed in the maintenance protocol in *Chapter 9.5*.
The valves must be closed and the lines de-pressurised during all repair and maintenance work to prevent injury.
***See Chapter 4.5* on opening the control housing.**

7.1.1 Cleaning the dirt filter/pre-filter

A clean prefilter is important for proper device function. The pressure will drop if the prefilter is contaminated.
Always shut off the measuring water intake and the measuring water return pipe when working on water-carrying pipes.
For cleaning, unscrew the filter hood on the filter. Pull out the filter insert. Clean the filter hood and the filter insert under running water. Reassemble the filter in reverse order.

7.1.2 Changing the dosing pump dosing hose

Additional procedure see *Chapter 5.2.1, Fitting peristaltic pumps and roller carriers*

7.2 Regular water check

See: Installation Instructions CPR-Touch XL No.: BA MR 001 Measurement and Control Unit in *Chapter 7.2.*

7.3 Fault removal



Tip

Faults are indicated by the appropriate symbol in the display in the IN list.
See the installation instructions for the CPR-Touch XL No.: BA MR 001 Measurement and Control Unit
in *Chapter 7.3*.

8 Decommissioning – Storage – Disposal

8.1 General

The devices must be emptied completely and protected against frost in the event of decommissioning and risk of frost.

8.2 Decommissioning the CPR TOUCH XL dosing system

1. Remove the suction lances from the dosing canisters and place them in a bucket filled with clean water. Close the dosing canister.
2. Run the system for approximately another minute to allow for rinsing and cleaning. This means running the "Output test" test function 

twice.
3. Stop the dosing via the 

button.
4. Remove the roller carrier from the peristaltic pumps in order to relieve the dosing hose.
5. Drain all of the water-conveying parts, especially the pumps if there is a risk of frost.
6. The device must be continuously supplied with power if condensation moisture can be expected in the storage space. Otherwise, disable the dosing device at the main switch.



ATTENTION

During recommissioning, it is essential that you follow the instructions in the "Commissioning" chapter and implement the points contained in the commissioning protocol.

8.3 Disposal of used parts and operating materials



Thoroughly clean any contaminated parts removed and dispose of or recycle them in accordance with the regulations applicable at the operating location.
Follow the relevant instructions on the packaging for the operating materials. Please contact your local waste disposal office if you need further information.
Dispose of the components/materials as hazardous waste If this is not possible.

9 Documents

9.1 Declaration of conformity

WDT Werner Dosiertechnik GmbH & Co. KG
Hettlinger Straße 17 | D-86637 Wertingen
Tel. 0049 8272 98697-0 | Fax 0049 8272 98697-19
info@werner-dosiertechnik.de | www.werner-dosiertechnik.de

Werner Dosiertechnik

EG-Konformitätserklärung
EC declaration of conformity
Déclaration de conformité UE

im Sinne der EG-Maschinenrichtlinie 2006/42/EG, Anhang II 1.A
as defined in the ECMachinery Directive 2006/42 / EC, Annex II, Part 1A
selon la directive européenne machines 2006/42 / CE, annexe II 1.A

Hersteller WDT - Werner Dosiertechnik GmbH & Co. KG
Manufacturer Hettlinger Str. 17
Fabricant 86637 Wertingen-Geratshofen

Beschreibung und Identifikation des Produktes:
Description and identification of the product:
Description et identification du produit :

Typenbezeichnung:	Art:
CPR Touch XL-2S-V2, 2 Pumpen für Chlor und pH-Senker; CPR Touch XL-1S-V2, 1 Pumpe für Chlor; CPR Touch XL-1S-V2, 1 Pumpe für pH-Senker; CPR Touch XL-1S-V2, 1 Pumpe für pH-Senker, mit Elektrolyseausgang; CPR Touch XL-0S-V2, ohne Pumpen; Poolklar Touch XL V3, Poolklar Touch Basic, 2 Pumpen für Chlor und pH-Senker	Maschine

Funktion: Das System dient zur Messung und Regelung von freiem Chlor, pH und Redox für Schwimmbadwasser.
Function: The system is intended for the autocontrol of free chlorine, pH and ORP for swimming pool water.
Fonction: Le système est utilisé pour l´autocontrol de chlore libre, pH et redox pour les piscines.

Es wird ausdrücklich erklärt, dass das Produkt allen einschlägigen Bestimmungen der folgenden EG-Richtlinien entspricht:
It is expressly stated that the product complies with all relevant provisions of the following EC directives
Il est explicitement dit que le produit est conforme à toutes les dispositions pertinentes des directives CE suivantes :

2006/42/EG RICHTLINIE 2006/42/EG DES EUROPÄISCHEN PARLAMENTS UND DES RATES vom 17. Mai 2006 über Maschinen und zur Änderung der Richtlinie 95/16/EG (Neufassung)

Die folgenden harmonisierten Normen nach Artikel 7 (2) wurden angewandt:
The following harmonized standards as defined in Article 7 (2) were applied:
Les normes harmonisées suivantes selon l'article 7 (2) ont été appliquées :

EN ISO 12100:2010 Sicherheit von Maschinen - Allgemeine Gestaltungsleitsätze - Risikobeurteilung und Risikominderung
EN 60204-1:2018 Sicherheit von Maschinen – Elektrische Ausrüstung von Maschinen – Teil 1: Allgemeine Anforderungen
EN ISO 14120:2015 Anforderungen an Gestaltung und Bau von feststehenden und beweglich trennenden Schutzeinrichtungen

Die in der Gemeinschaft ansässige Person, die für die Zusammenstellung der technischen Unterlagen bevollmächtigt ist:
The designated person who is authorized to draw up the technical documentation:
La personne établie dans la communauté qui est autorisée à constituer le dossier technique:

Name: Werner Dosiertechnik GmbH & Co KG
Straße/Nr.: Hettlinger Straße 17
PLZ Stadt: 86637 Wertingen

WERNER Dosiertechnik GmbH & Co.KG 86637 Wertingen-Geratshofen

Wertingen, 27.10.2021
Ort/Citiy/Place, Datum/Date Unterschrift/signature Jochen Rieger, Director

CE SW 004-01 Konformitatserklärung CPR Touch XL+Poolklar Touch.docx

9.2 Wiring diagrams

The wiring diagrams for the standard version of the device can be found in Part 2 of the CPR-Touch XL No.: BA MR 001 measurement and control unit operating instructions *in Chapter 9.2*.
The circuit diagrams are also to be found in the device's terminal box.

9.3 Commissioning protocol

The commissioning protocol is located in the accompanying documentation.

9.4 Operation data sheet

See the operating instructions in Part 2 of the CPR-Touch XL No.: BA MR 001 measurement and control unit. *in section 9.4.*

9.5 Maintenance protocol

The maintenance protocol is located in the accompanying documentation.

9.6 Spare parts list and wearing parts list

The spare parts listed below can be obtained from your specialist dealer. Please include the exact product designation and the device serial number with all orders.

Spare parts list

		Designation	Code no.
Dosing		Cover for pump casing Sa, transparent	14259
		Gear motor Sa 24 VDC 80 rpm	18769
		Pump casing Sa	14140
		Retaining washer for roller carrier Sa	13633
		3/8" dosing valve - 4 x 1 - Si 9 1.5/14	24718
		16/500 NF suction set complete - yellow	12472
		16/500 NF suction set complete – red	12473
Accessories		Protective tray – 30 litre chemical canister	24300

Wearing parts list

Wearing parts are excluded from the 2-year warranty.

		Designation	Code no.
Dosing		Roller carrier Sa	13039
		Hose bracket Sa 3.2 x 1.6 hose break complete - green	16344
		Hose bracket Sa 1.6 x 1.6 hose break complete - black	16345
		Hose bracket Sa 0.8 x 1.6 hose break complete - blue	16346
		Union nut Sa – hose connection 4 x 1 mm	16379
		Clamp ring Sa PVDF 4 x 1 mm	16867
		Hose kit Sa 3.2 x 1.6 - Ph (2 pcs) - green	13413
		Hose kit Sa 1.6 x 1.6 - Ph (2 pcs) - black	13412
		Hose kit Sa 0.8 x 1.6 - Ph (2 pcs) - blue	13482
		Valve rubber 9 x 1.5 x14 mm- 2 pcs in bag	18860

10 Appendices

- Commissioning protocol
- Maintenance protocol

Own notes

Commissioning Protocol IP-032-EN
CPR Touch XL-2S

Werner Dosiertechnik

This protocol must be completed by the commissioning technician! Without a completed and signed commissioning protocol, all warranty claims become void!

Object: _____ Date: __.__.____

City, street, house number: _____

Device type: _____ Year of manufacture:_____ Serial number: _____

	Activity	Completed	Comment
1	**Measuring Cell Block (see OI Part 2 Measuring and Control Unit No.: MR 001)**		
1.1	Install the roller support for the hose pumps (Depending on the version)	☐	
1.2	Insert the cleaning beads	☐	
1.3	Install electrodes	☐	
1.4	Set control parameters	☐	
1.5	Open ball valve at measuring cell intake, set measuring cell flow	☐	
2	**Dosing Technology Disinfection (Chlorine) (Option)**		
2.1	Check empty switch on suction lance: Indicator in display	☐	
2.2	Connect suction lance to dosing canister (yellow)	☐	
2.3	Check dosing pump: Program output test chlorine (disinfection)	☐	
3	**Dosing Technology pH Value (Acid) (Option)**		
3.1	Check empty switch on suction lance: Indicator in display	☐	
3.2	Connect suction lance to dosing canister (red)	☐	
3.3	Check dosing pump: Program output test pH	☐	
4	**Other**		
4.1	Clean dosing device with a damp cloth	☐	
4.2	Discuss and hand over operating instructions	☐	

Additional remarks:

_____

_____

_____

_____

_____

_____

Commissioning and instruction carried out by: _____

Instructed persons: _____

Signature of commissioner: _____

Operator's counter-signature: _____

Maintenance Protocol WP-038-EN
CPR-Touch XL-2S

Werner Dosiertechnik

This protocol must be completed by the maintenance technician! Without a completed and signed maintenance protocol, we reserve the right to assert a warranty regulation.

Object: _____ Maintenance year: 20__

City, street, house number: _____

Device type: _____ Year of manufacture: _____ Serial number: _____

	Activity	Maintenance interval in months	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Comment / additional work
1	**Dosing Device Disinfection (Chlorine) (Option)**														
1.1	Check hose pump for moisture and corrosion	1	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
1.2	Check empty switch functioning	6						☐						☐	
1.3	Replace dosing hose	12												☐	
2	**Dosing Device pH Value (Acid) (Option)**														
2.1	Check hose pump for moisture and corrosion	1	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
2.2	Check empty switch functioning	6						☐						☐	
2.3	Replace dosing hose	12												☐	
3	**Control**	12												☐	
3.1	Check all inputs	12												☐	
3.2	Check all outputs	12												☐	
3.3	Check and correct parameter settings	12												☐	
4	**Measuring Cell Block**														
4.1	Check and clean the prefilter	1	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
4.2	Replace chlorine electrode, sealing set	12												☐	
4.3	Replace redox electrode, sealing set	12												☐	
4.4	Replace flow controller, maintenance set	12												☐	

Additional remarks:

_____

_____

_____

_____

Maintenance performed and device functioning checked: _____ Date: _____
Signature

Operator's counter-signature: _____