

GRUNDFOS INSTRUCTIONS

Conex® DIA-2Q

Instrument amplifier and controller
Installation and operating instructions



File Name: conex dia-2q manual.pdf

Size: 4482 KB

Type: PDF, ePub, eBook

Category: Book

Uploaded: 7 May 2019, 14:19 PM

Rating: 4.6/5 from 588 votes.

Status: AVAILABLE

Last checked: 16 Minutes ago!

In order to read or download conex dia-2q manual ebook, you need to create a FREE account.

[Download Now!](#)

eBook includes PDF, ePub and Kindle version

[❑ Register a free 1 month Trial Account.](#)

[❑ Download as many books as you like \(Personal use\)](#)

[❑ Cancel the membership at any time if not satisfied.](#)

[❑ Join Over 80000 Happy Readers](#)

Book Descriptions:

We have made it easy for you to find a PDF Ebooks without any digging. And by having access to our ebooks online or by storing it on your computer, you have convenient answers with conex dia-2q manual . To get started finding conex dia-2q manual , you are right to find our website which has a comprehensive collection of manuals listed.

Our library is the biggest of these that have literally hundreds of thousands of different products represented.



Book Descriptions:

conex dia-2q manual

DIA preassembled systems combine controllers and triedandtested electrodes on a plate ready for quick installation. Preassembled system for pH or redox potential The system is equipped with a Conex DIA1 controller or DIA2Q. Prices are indicative only and may vary by country, with changes to the cost of raw materials and exchange rates. This EC declaration of conformity is only valid when published as part of the Grundfos installation and operating instructions. Ova EZ izjava o sukladnosti vazeca je jedino kada je izdana kao dio Grundfos montaznih i pogonskih uputa. Gebruikte norm EN2001 tweede editie. Deze EC overeenkomstigheidsverklaring is alleen geldig wanneer deze gepubliceerd is als onderdeel van de Grundfos installatie en bedieningsinstructies. Norm, die verwendet wurde EN2001 zweite Ausgabe. Norma applicata EN2001 seconda edizione. Zastosowana norma EN2001 drugie wydanie. Kullanlan standartlar EN2006, EN A1 A22009, EN2008.To use this website, you must agree to our Privacy Policy, including cookie policy. A simple plaintext menu allows you to complete your tasks quickly and easily without wasting any time on learning and deciphering codes. The units speak no less than nine languages, allowing virtually anyone to navigate the selfexplanatory menus.The system is equipped with one of these controllers. PDFQueen Easy Fast and Trusted searching PDF files!. Grundfos MULTILIFT MSS. Sizing and selection tools, quick dimensioning, pump replacement tools, CAD drawings, pump curves and other relevant data. MULTILIFT lifting station with controller family The IO 111 module is used together with wastewater pumps in wastewater applications to give more protection for.Reload to refresh your session. Reload to refresh your session. Norm, die verwendet wurde EN 600200 zweite Ausgabe. Gebruikte norm EN 600200 tweede editie. Norma applicata EN 600200 seconda edizione. Zastosowana norma EN 600200 drugie wydanie. Uporabljena norma EN 600200 druga izdaja.<http://arkaim-avto.ru/store/file/95-pathfinder-manual-transmission.xml>

- **conex dia-2q manual, grundfos conex dia-2q manual, 1.0.**

Uporabljeni normi EN 63262006, EN A A22009, EN2008. Kullanlan standartlar EN 63262006, EN A A22009, EN2008.Verifique se o aparelho apresenta danos. Fazer uma abertura de,8 mm x,8 mm no painel de controlo. 2. Encaixar a junta vedante fornecida. 3. Inserir o Conex DIA2 na abertura pela parte frontal. TM A B B TM Fig. 7 Esquema de montagem 6 Manual de Instalacao e Funcionamento Powerline Adapter Nao expor o Powerline Adapter a temperaturas extremas. Nao deixar o dispositivo sob a luz solar directa ou proximo a elementos aquecidos. Nao usar o Powerline Adapter em ambientes Fonte de alimentacao Modelo CO50 XXI WinREST Sensor Log Copyright 2008 GrupoPIE Portugal, S.A. 2 WinREST Sensor Log Indice Indice Pag. 1. WinREST Sensor Log.5 1.1. Instalacao aplicacao ou servico.6 Motor de correr. Pagina 1 Para sua seguranca, e importante seguir todas as indicacoes Manuais do Utilizador Instalacao electrica normal 15 Montagem do termostato na caixa de parede 16 Voce vai encontrar as respostas a todas suas perguntas sobre a no manual do usuario informacao, Manual de instrucoes. Referencia CCI.Cam v3 Todos os direitos reservados 9354493 Issue 2 Todos os direitos reservados 9354493 Issue 2 Indice 1. INTRODUCAO.1 2. INSTALAR O MODEM OPTIONS FOR NOKIA 7650.1 3. SELECCIONAR Powerline Adapter Nao expor o Powerline Adapter a temperaturas extremas. Nao usar o Powerline Adapter em ambientes Retire a tampa traseira. Insira o cartao SIM no slot do cartao Dados Tecnicos Conexoes eletricas Utilizacao do teclado Dimensional. ABB Automacao. Todos os direitos reservados 9356515 Issue 1 Todos os direitos reservados 9356515 Issue 1 Indice 1. INTRODUCAO.1 2. INSTALAR O NOKIA MODEM OPTIONS.1 3. LIGAR O NOKIA 6600 Comandos Radio X64. V2011Certificado Aplicacao de agente Todas as outras Com este medidor, voce pode monitorar e registrar Manual de Instalacao e

Operacao. Discadora por Celular HERA HR2048. Agradecemos a confianca que depositou nos produtos da BEHRINGER ao adquirir a ULTRADI
DI20. <http://dreamnightwear.com/userfiles/95-passat-repair-manual.xml>

Quer seja no A grande vantagem destes produtos e a sua reduzida dimensao, de apenas Controlador para sistemas de energia solar Modelo MO257 O sensor de umidade sem pino monitora a umidade na madeira e outros Manual do utilizador Rele de Nivel Inferior RNAI Rele de Nivel Superior RNAS C205726 REV 1 A forma da SKF apoiar a transmissao Facil Rapido Repetitivo Sistema de avaliacao para sensores de fluxo VS3000 Por favor note que o Gerador foi vendido sem CHAVE DE NIVEL Tipo Condutiva TECNOFLUID Guardeo para futuras consultas. Anote o modelo e numero de serie HERA HR 2050. Cel. Catalogo LV 90 2009. Baixa Tensao Corte, proteccao e comando. Answers for industry. Interruptores de corte em carga, sistemas de barramentos SENTRON 8US Introducao Apresentacao geral Para garantir o uso correto e eficiente do TM2100CS, leia este manual completo e atentamente To use this website, you must agree to our Privacy Policy, including cookie policy. Identificacao de avarias 8 12. 12. 1 12. 2 Manutencao Sensores amperometricos 8 13. Pecas sobresselentes 8 14. Eliminacao 9 7 8 Sensores potenciostaticos 8 Aviso Estas instrucoes de instalacao e funcionamento estao igualmente disponiveis em www.Grundfosalldos.com. Antes da instalacao, leia estas instrucoes de instalacao e funcionamento. A montagem e o funcionamento tambem devem obedecer aos regulamentos locais e aos codigos de boa pratica, geralmente aceites. 2 Aviso Se estas instrucoes de seguranca nao forem observadas pode incorrer em danos pessoais. Se necessitar de obter mais informacoes ou se encontrar problemas que nao estejam abordados em pormenor no presente manual, entre em contacto com a Grundfos Water Treatment. Teremos todo o prazer em apoialo com o nosso vasto knowhow em materia de tecnologia de medicao e regulacao, bem como de tratamento de agua. As pecas de desgaste normal nao estao incluidas na garantia. Aviso Nao sao permitidas nem estao aprovadas outras applicacoes. Aviso Nao desmonte os componentes do sensor.

A instalacao e ligacao do sensor e dos componentes suplementares associados so podem ser realizadas por pessoal autorizado. Os regulamentos de seguranca locais tem que ser observados. O sensor e utilizado para monitorizar fugas. Nao e possivel monitorizar concentracoes constantes com este sensor. All rights reserved worldwide. www.grundfos.com We are a nonprofit group that run this service to share documents. We need your help to maintenance and improve this website. Installation and operating instructions Notes or instructions that make the job easier and ensure safe operation. Installation and operation must comply with local regulations and accepted codes of good practice. 4 Should you require further information or should you encounter problems that are not handled in sufficient depth in this manual, please contact Grundfos. We shall be pleased to support you with our comprehensive knowhow in the fields of measuring and control technology as well as water treatment. The product has been constructed and tested in accordance with safety protective measures for electronic equipment and has left the works in perfect condition satisfying safety requirements. To maintain this condition and to ensure safe operation of the instrument, the user is obliged to observe the notes and warnings given in these installation and operating instructions. If safe operation cannot be guaranteed any longer, the product is to be put out of service and safeguarded against unintentional operation. This is the case if the product shows visible damage if the product seems to be inoperative after a long storage time under unfavourable conditions. Warning Strictly observe the installation and operating instructions of the components! 4.2 Avoidance of danger Warning Do not dismantle the device. Cleaning, maintenance and repairs must only be carried out by authorised personnel. Warning Other applications than those described in section 5.

Function and applications are not approved and not permitted. Grundfos cannot be held liable for any damage resulting from incorrect use. 5. Function and applications The AQCD5 preassembled

system consists of the following components potentiostatic measuring cell AQCD5 measuring amplifier and controller Conex DIA peristaltic pump sample water deficiency sensor . Various oxidation agents are used for the disinfection of swimming pool water and drinking water, for example chlorine Cl_2 . It is necessary to measure the concentration of the oxidation agent and regulate its dosing because the disinfection effect is too weak at too low concentrations. Too high concentrations result in danger to health unpleasant odour and taste corrosion damage increased operating costs. Free residual chlorine is defined as the sum of molecular chlorine gas Cl_2 , hypochlorous acid HOCl and the hypochlorite anion OCl^- . After a chemical reaction, the concentration is measured electrochemically. The basic element of the AQCD5 preassembled system is the potentiostatic measuring cell AQCD5. Electrode cleaning motor The measuring electrode and the counterelectrode are continuously cleaned of deposits by a gentle, yet effective cleaning motor. This guarantees a uniform sensitivity for the measuring cell for a long time. The motor drives a magnetic stirring stone by a magnetic clutch. The cleaning balls, which are constantly kept in motion by the magnetic stirring stone, circulate between the measuring electrode and the counterelectrode. Influence of temperature The current generated on the electrodes depends on the temperature of the sample water. The measured value increases by approximately 5 % per 1 °C. Temperature variations are compensated in the measuring amplifier. The temperature can be measured using a Pt100 temperature sensor. The temperature measuring signals are transferred to the measuring amplifier and calculated using the electrode signals.

<http://fradiomas.com/images/canon-bj-200e-manual.pdf>

Influence of pH value The pH value is always constant pH 4.5 in the AQCD5 preassembled system due to the buffer dosing. Therefore there is no influence of the pH value to be taken into account. If the pH value is measured with a pH electrode, the measurement takes place before the buffer dosing, so that the correct pH value of the measuring water value is measured. 6 The water flow rate can be adjusted on the measuring cell. A float switch serves to signal a sample water deficiency and for example trigger an alarm. Part of the water is taken from the measuring cell and routed through the three-electrode assembly. The agent to be determined Cl_2 is converted at the noble metal electrode. An exactly defined potential of the working electrode is retained by means of the third electrode reference electrode. This results in a linear response for the measuring cell as well as a stable zero point for the measurement. The measuring amplifier Conex DIA amplifies the current calculates it using the calibration parameters displays the concentration as a numerical value controls a gas dosing unit or a dosing pump as final control element. A water sample without buffer solution can be taken at the sample water tap. A B C D E F Description Location of pH and redox electrode Location of sample water regulating device Location of measuring and reference electrode Location of temperature sensor Pt100 Measuring and reference electrode Flow fitting G Limitation of sample water with ascending pipe H Cleaning drive I Sample water deficiency sensor J Connection for sample water inlet K Connection for sample water outlet L Sample water adjusting device M Counterelectrode N Contacting of counterelectrode O Screw part with magnetic stirring stone 8 Warning Switch off the power supply before installing. Warning The buffer solution must not come into contact with the eyes or skin. Wear protective gloves and glasses when performing the following steps. English GB Check scope of delivery.

<https://www.acnovate.com/images/canon-bj-200-service-manual.pdf>

Install as soon as possible after unpacking. 8.3 Installation requirements If you do not observe the installation requirements, the device may be damaged. The measurements may not be correct. The location must be vibration-free, dry, dust-free and free of corrosive, pungent fumes or aggressive solvents. For safety reasons, the customer should install an earth leakage circuit breaker for the measuring amplifier Conex DIA and the motor of the measuring cell. Maximum permissible cable length between measuring cell and measuring amplifier 3 metres. Ensure a continuous supply of

sample water. Retain the permissible inlet pressure and counterpressure of the sample water. Fit a pressure booster pump or pressure reducer, if necessary.

8.4 Mounting

The flow armature is fastened onto the mounting plate from factory. Do not allow any foreign bodies to enter. The measuring cell breaks when the screws are tightened. Do not tighten the screws; only screw them in without tightening them. The potentiostatic measuring cell or preassembled system must be mounted vertically!

1. Drill four dowel holes with a diameter of 10 mm and minimum 60 mm deep. Distance between the mounting plate and the wall minimum 20 mm. Note 9.1

Water connections

Connect the sample water inlet and sample water outlet. Fig. 6 The housing of the measuring cell must not come into contact with the buffer solution. There is a risk of corrosion and cloudiness. To prevent a siphon effect, the sample water outlet must flow freely downwards without counterpressure.

Water connections 9.2 Installation of electrodes

On top of the electrodes, coloured markings are provided for easier assignment

- potentiostatic electrode green
- ph singlerod electrode white
- redox electrode brown.

TM Do not pinch the cable. Always observe the wallmounting guide below. 20 mm TM Fig. 5

Wallmounting guide for AQCD5 preassembled system 9 C at the flow fitting pos. F. 2.

2. Remove the tube part transport protection from the drilled hole.

Note Prior to installation of the potentiostatic electrode pos. E, do the following

1. Check the position of the magnetic stirring stone cleaning motor. Fill the cleaning balls into the electrode holder. Visual inspection of magnetic stirring stone
2. Remove the position stabiliser from the magnetic stirring stone. The position of the stone might be changed by vibrations of the flow fitting during transport.
3. Check if the stone is still seated flat on the lower edge of the screw part.

9.4 Screwing in potentiostatic electrode 1.

1. Remove the protection cover of the potentiostatic measuring and reference electrode pos. E green marking. Keep it for electrode removal. Only touch the electrode at the screwed head. Do not touch the noblemetal ring!
2. Slide the electrode pos. E into the location pos. B at the hole of the flow fitting pos. F with the noblemetal ring at the bottom.
3. C of the potentiostatic electrode pos. E. Look into the mounting hole pos. C All balls must be placed in the measuring chamber. No ball may be placed above the electrode centering black ring with centering indentation. TM
4. Open the measuring water inlet pos. J.
5. Adjust the flow through the measuring block by the sample water adjusting spindle pos. L so that water emerges out of the ascending pipe pos. G of the integrated sample water limitation.
6. Connect the cleaning motor pos. H with the power supply.
7. Carefully screw in the electrode pos. E until it stops. When screwing in the electrode pos. E, do not block the stone. If the electrode is screwed in by force, the screw part or the electrode might be damaged, instead, loosen electrode by turning it half circle and rescrew in

Installing ph and redox electrodes

See fig Remove the protective caps pos. Warning Observe the installation and operating instructions of the measuring amplifier. Observe the installation position. Do not insert the temperature sensor into the overflow hole of the sample water limitation pos. G!

Warning Switch off the power supply before installing. Observe the local safety regulations for electrical installations.

1. Connect the electrodes to the measuring amplifier terminals.
2. Connect the sample water deficiency sensor to the corresponding terminals of the measuring amplifier.
3. Connect the temperature sensor to the corresponding terminals of the measuring amplifier.
4. Connect the measuring amplifier to the power supply according to the wiring diagram. See section 15. Wiring diagram. English GB Pt 100 Fig. 10

Mounting of temperature sensor Pt100 TM

Observe the installation and operating instructions of the measuring amplifier!

9.8 Checks prior to startup 1.

1. Check the whole system for leaks.
2. Check the electric connections. At first commissioning or after longterm stop Run in the system for at least two hours to avoid faulty measurements and calibration!

9.9 Operating the Conex DIA Fig. 11

Mounting position of Pt

Installation of the sample water deficiency sensor

If required, screw the sample water deficiency sensor pos. I into the designated location at the measuring cell. I Fig. 12

Installation of the sample water deficiency sensor TM TM

First commissioning of the Conex DIA Select operating language. If no code was entered before, all menus can be accessed without restrictions and are not protected. Afterwards If a code has been

entered previously, enter the code for full rights. Select pH measurement, if necessary. Switch off pH compensation. Select measuring cell AQCD1. Measuring range Set the measuring range. Current output Set the current loops. Select and configure the controller. Sample water deficiency sensor Switch on the sample water deficiency sensor. Note See the installation and operating instructions of the Conex DIA for further details! 11 Note Ensure that the pump is switched off for these steps. For that purpose, take out the sample water deficiency sensor loosen the screw, and pull out the sample water deficiency sensor. 1.

Place the tank with the buffer under the peristaltic pump and insert the suction line. 2. Open the cover of the tube at the pump. 3. Connect a syringe to the suction tube of the tap pos. c. 4. Turn the three-way tap pos. Only the rate of rise sensitivity must be adjusted during calibration. At first startup or after long-term stop, let the system run for at least two hours to avoid faulty measurements and calibration. During calibration, keep the sample water flow rate and water temperature constant. Check the calibration after 24 hours and repeat, if necessary! 10.1 Photometrical measurement 1. Take a water sample at the sample water tap pos. a. 2. Determine the concentration of the measuring parameter photometrically, for instance using the Grundfos DIT photometer. Observe the installation and operating instructions of the photometer. Chlorine Fig. 13 Sucking in buffer solution, part 1 6. Turn the three-way tap in order to open the line from the syringe to the measuring cell. 7. Carefully press the buffer solution into the line until it reaches the measuring cell. Cal. meas. value Cal. result Cal. cycle 4. Enter the reference value for instance the value measured photometrically using the DIT. The measured signal is read in automatically and compared with the reference value. The calibration result is displayed sensor slope. CALDATA chlorine Fig. 14 Sucking in chemicals, part 2 8. Remount the cover of the pump. 9. Turn the three-way tap in order to open the line from the pump to the measuring cell. The data of the last 10 calibrations can be read. The total running-in period is 24 hours. After that the measured value is precise and stable. After starting, the AQCD5 preassembled system works fully automatically. Now the analyser continues operating Adjusting the sample water flow Note Observe the installation and operating instructions of the measuring amplifier and final control element.

By increasing the sample water flow, the delay time of the flow fitting can be reduced. While adjusting the sample water flow, avoid Note turbulent flow in the measuring water limitation pos. G. If a sample water filter with PVC ball valve and prefilter is installed 1. Open the ball valve. 2. Adjust the water flow with the adjusting spindle pos. L so that only a small quantity of water overflows the ascending pipe pos. G of the sample water limitation. Integrated electronic measuring water adjustment Adjust the float body of the adjustment device pos. L at least at the height of the sample water deficiency sensor pos. F protects the electrodes from drying out when the sample water flow is interrupted. Thus, normally the electrodes do not have to be removed. Observe the installation and operating instructions of the measuring amplifier and final control element. Do not drain the water. The electrodes are protected by remaining immersed in water. During a long-term stop of the unit for example seasonal operation, the electrodes should be removed and fitted with the suitable protective caps. E, clean and store dry. 5. Remove and clean the pH and redox electrodes, if applicable. 6. Fit protective caps on the electrodes. The protective caps must be filled with 3 molar potassium chloride solution product number . Observe the installation and operating instructions of the electrodes! 7. Before recommissioning and if it is very dirty, clean the complete plexiglass flow fitting pos. F. English GB L I G I TM Fig. 16 Adjusting the quantity of sample water 13 Fault Cause Remedy 1. No display, no measuring cell current. Check the concentration using a reference measurement. Activate dosing. b Poor contact of counter-electrode. Check and contact, and replace the socket or plug, if necessary. Reestablish connection, and replace damaged cables, if necessary. Clean the filter, and check the flow and sample water inlet pressure. Replace the measuring electrode. 2. Measured value too low.

Dismantle, clean or replace the measuring electrode. Recalibrate. c Warmingup time too short prior to calibration. Observe the warmingup time prior to calibration, then recalibrate. Check and adjust the quantity of sample water. Check the filter and clean, if necessary. Only use suitable chlorination agents. Contact your Grundfos partner. Check the reference measurement, and analyse the sample water. Gently loosen the measuring electrode and reposition. Replace the magnetic stirring stone, cleaning balls or slide disk. Check the electrical tension, and replace the motor unit, if necessary. 3. Measured value too high. Recalibrate. b Interference by other oxidation agents in sample water. Analyse the sample water. Check the used chemicals. 4. Measured value a Interferences on signal lines. Check the screen. unstable. b Air bubbles in measuring chamber. Place the electrode correctly. Replace the magnetic stirring stone, if necessary. Clean the diaphragm, and replace the measuring electrode, if necessary. Reduce the sample water quantity, and check that the correct layout is used for the outlet tube. 14 Cleaning the filter If high contamination is evident. If pressure drops considerably. Every 12 months. Cleaning measuring cell AQCD5 If high contamination is evident. On occurrence of faults. Every 12 months. Replacing wear parts If they are damaged. Every 12 months. Prior to maintenance work Switch off the Conex DIA and switch off the AQCD5 preassembled system as described Cleaning the filter 1. Set the controller to manual operation to avoid overdosing or fault alarm in automatic sample water monitoring. Observe the installation and operating instructions of the measuring amplifier and controller! 2. Close the sample water inlet. 3. Unscrew the filter cup, and remove the filter seat from the filter housing. 4. Loosen the screwed connection at the upper end of the filter seat. 5. Withdraw the filter strainer, and clean it with running water. Use a small soft brush, if applicable.

6. Reassemble the filter in reverse order. 7. Check the tightness of the filter. Note 13.4 Cleaning measuring cell AQCD5 After cleaning, check the sample water flow and adjust, if necessary. The measuring cell must only be dismantled by authorised personnel. I, and remove the sensor. 4. Remove the sample water inlet pos. J and outlet pos. K by loosening the cap nuts at the flow fitting pos. F. 5. Loosen the electrode cable, and withdraw the plug pos. N of the counterelectrode pos. M. Note 6. Unscrew the electrodes with a 17 mm wrench, and cover them with the protective caps filled with potassium chloride product number . 7. Remove the plexiglass flow fitting pos. F and store horizontally. 8. Unscrew the screw part pos. O with the magnetic stirring stone using the enclosed face spanner. Note Please mark the electrodes and measuring cables with the corresponding colours, if this has not yet been done. Carefully remove the screw part pos. O and hold it horizontally, so that the cleaning balls do not drop out. 9. Take the balls out and store them with care. 10. Remove the stone and the sliding disk. 11. Remove the cover of the sample water limitation pos. G. 12. Unscrew the adjusting spindle at the sample water adjusting device pos. L. 13. Unscrew the floater stopper, and remove the floater. Pos. Description 1 Locking bar 2 Connection piece 3 Tube 4 Ribbon 5 Starting side 15 Be careful not to put any cleaning solution in the drilled hole of the contact bushing. L E Before using other detergents, check the chemical resistance of the materials, as they might be damaged. The electrode block counterelectrode M can be cleaned with conventional soap suds. If high contamination or furring is evident, clean the dismantled flow fitting pos. F briefly with dilute hydrochloric acid maximum 510 %. After cleaning, flush all parts in contact with the acid with running water. I 1 2 G F Replacing the wear parts See section 14.2 Spare parts.

The spare parts set consists of 15 balls, magnetic stirring stone, slide disk and gasket. 1 2 J N M O K 3 4 H Fig. 19 Wear parts Pos. Description 1 Electrode head 2 Balls 3 Magnetic stirring stone 4 Slide disk 5 Screw part 6 Gasket conical nipple Cleaning of the measuring electrode Rub the noble metal surface of the potentiostatic electrode pos. E, if necessary soiling by fat, deposits, etc., with scouring powder or a clean cloth. After cleaning, flush with running water. TM Fig. 20 Exploded view of measuring cell Mounting instructions for the measuring cell 1. Put the floater of the sample water adjusting device pos. L with its point below into the sight glass, and screw on the floater stopper. 2. Screw in the adjusting spindle of the sample water adjusting device pos. L. 3. Plug the cover on the

sample water limitation pos. G. 4. Screw in the contact pos. N of the counterelectrode pos. M manually. 5. Screw the flow fitting pos. F onto the mounting plate. 6. Place the slide disk pos. 4 into the screw part. 7. Place the flat bottom of the magnetic stirring stone pos. 3 into the drilled hole of the screw part. Before installing the screw part pos. 5, check if the counterelectrode pos. M is soiled with fat, deposits, etc. If necessary, clean as described in section Cleaning of the measuring electrode. 8. Install the screw part pos. 5 from below in the body of the measuring cell. Keep it in a vertical position, and tighten it with the face spanner. 9. Fill 15 balls pos. 2 from above into the location pos. C of the potentiostatic electrode pos. E. TM Look into the location for electrode installation pos. C All balls pos. 2 must be placed below the electrode centering black ring with centered toothing. 16 E, do not screw it in. J and outlet pos. K. 14. Open the sample water inlet pos. J, and adjust the flow with the adjusting spindle pos. L. 15. Connect the cleaning motor pos. H with the power supply. 16. Screw in the potentiostatic measuring electrode pos.

E manually up to the stop. 17. Before calibration, keep a runningin period of at least two hours. For further maintenance, cleaning and repair, follow the instructions given in the installation and operating instructions of the components. Please observe also section 9.2 Installation of electrodes. Strictly observe the maintenance instructions in the installation and operating instructions of the components! 14. Accessories 14.1 Included accessories Buffer solution 1 container 2 spare tubes for peristaltic pump Spare parts Spare parts for AQCD5 preassembled system Description Buffer solution Spare parts set for peristaltic pumps containing 1 tube Spare parts for measuring cell AQCD5 Description Spare parts set for the potentiostatic measuring cell consisting of 15 balls glass, magnetic stirring stone, slide disk and gasket Spare electrode for the potentiostatic measuring cell Spare parts set for the sample water filter consisting of spare filter element with gasket and adaptor Product number Product number English GB 17 It is used as a power source and therefore cannot function as a potentialfree changeover contact. Disposal This product or parts of it must be disposed of in an environmentally sound way 1. Use appropriate private waste collection services. 2. If this is not possible, contact the nearest Grundfos or Grundfos company or service workshop. Subject to alterations Fig. 22 Cable entry 10 9 TM Pos. Description 5 Socket for power supply cable Sample water deficiency sensor, empty signal buffer 6 solution tank 7 Pt100 8 Measuring electrode 9 Reference electrode 10 ph 18. Bei der Desinfektion von Badewasser und Trinkwasser werden verschiedene Oxidationsmittel wie z. B. Chlor Cl 2 verwendet. Nach einer chemischen Reaktion wird die Konzentration elektrochemisch gemessen. Grundelement des vormontierten Systems AQCD5 ist die potentiostatische Messzelle AQCD5.