

WTW 202706

WTW 202706 Heavy-Duty DO Probe Maintenance Kit User Manual

For CellOx Probes

1. INTRODUCTION

This manual provides comprehensive instructions for the proper use and maintenance of the WTW 202706 Heavy-Duty DO Probe Maintenance Kit. This kit is designed to ensure the optimal performance and longevity of your WTW CellOx Dissolved Oxygen (DO) probes.

The kit includes essential components for routine care, such as cleaning solution, abrasive foil, membrane heads, and electrolyte solution, all crucial for accurate and reliable dissolved oxygen measurements.

2. KIT CONTENTS

The WTW 202706 Heavy-Duty DO Probe Maintenance Kit contains the following items:

- Cleaning solution for oxygen sensors (30 ml)
- Electrolyte solution for oxygen sensors (50 ml)
- Abrasive foil
- Three membrane heads



Figure 1: Overview of the WTW 202706 Heavy-Duty DO Probe Maintenance Kit components. Visible are bottles of cleaning and electrolyte solutions, a protective cap, a probe component, and a yellow protective tube.

3. SETUP AND PREPARATION

Before performing maintenance, ensure you have a clean, dry workspace and any necessary personal protective equipment (PPE).

1. **Identify Probe Type:** Confirm that your DO probe is a WTW CellOx probe, as this kit is specifically designed for these models.
2. **Gather Components:** Lay out all components from the maintenance kit and your DO probe.
3. **Read Instructions:** Familiarize yourself with the entire maintenance procedure before beginning.

4. OPERATING PROCEDURES (PROBE MAINTENANCE)

Regular maintenance is crucial for accurate DO measurements. Follow these steps for proper probe care:

4.1. Cleaning the Probe

1. **Rinse Probe:** Gently rinse the probe with distilled water to remove any loose debris.
2. **Apply Cleaning Solution:** Apply a small amount of the provided cleaning solution to a soft cloth or directly to the probe's membrane area.
3. **Gently Clean:** Carefully wipe the membrane and probe body. For stubborn deposits, use the abrasive foil provided, but apply minimal pressure to avoid damaging the membrane.
4. **Rinse Thoroughly:** Rinse the probe thoroughly with distilled water after cleaning to remove all traces of the cleaning solution.

4.2. Replacing the Membrane Head

The membrane head should be replaced periodically or if damaged.

1. **Unscrew Old Head:** Carefully unscrew the old membrane head from the probe body.
2. **Prepare New Head:** Take one of the new membrane heads from the kit.
3. **Fill with Electrolyte:** Fill the new membrane head with the provided electrolyte solution. Ensure there are no air bubbles trapped inside. Gently tap the head to dislodge any bubbles.
4. **Screw On New Head:** Carefully screw the new membrane head onto the probe body. Ensure it is finger-tight to prevent leaks, but do not overtighten.

4.3. Electrolyte Replacement

The electrolyte solution should be replaced when replacing the membrane head or if the probe's response becomes sluggish.

1. **Drain Old Electrolyte:** If not replacing the membrane head, carefully drain the old electrolyte solution from the existing membrane head.
2. **Refill with Fresh Electrolyte:** Fill the membrane head with fresh electrolyte solution from the kit, ensuring no air bubbles are present.

5. STORAGE AND HANDLING

Proper storage of the kit components and the probe itself ensures their longevity and readiness for use.

- Store the kit components in a cool, dry place, away from direct sunlight and extreme temperatures.
- Keep bottles of cleaning and electrolyte solutions tightly sealed when not in use.
- Always store the DO probe with its protective cap filled with a small amount of electrolyte solution or in a suitable storage solution as recommended by WTW.

6. TROUBLESHOOTING COMMON ISSUES

If you encounter issues with your DO probe after maintenance, consider the following:

Problem	Possible Cause	Solution
Unstable readings	Air bubbles in membrane head, dirty membrane, depleted electrolyte.	Tap membrane head to remove bubbles, clean membrane, replace electrolyte.

Problem	Possible Cause	Solution
Slow response time	Old or contaminated electrolyte, damaged membrane.	Replace electrolyte and/or membrane head.
No reading	Completely dry membrane, severe probe damage.	Refill with electrolyte and re-condition probe. If still no reading, probe may need replacement.

7. SPECIFICATIONS

Key specifications for the WTW 202706 Heavy-Duty DO Probe Maintenance Kit:

- **Model Number:** 202706
- **Compatibility:** Designed for WTW CellOx DO probes
- **Kit Contents:** Cleaning solution, abrasive foil, 3 membrane heads, electrolyte solution
- **Package Dimensions:** 8.79 x 5.49 x 2.64 inches
- **Package Weight:** 9.44 ounces
- **Manufacturer:** COLE-PARMER (for distribution)
- **Brand:** WTW

8. WARRANTY AND SUPPORT

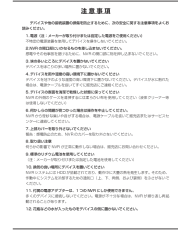
The WTW 202706 Heavy-Duty DO Probe Maintenance Kit comes with a **1-year guarantee** from the date of purchase. For technical support, warranty claims, or further assistance, please contact your authorized WTW distributor or visit the official WTW website. Ensure you have your product model number (202706) and proof of purchase available when seeking support.



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This manual is for informational purposes only. WTW reserves the right to make changes to product specifications without prior notice.

Related Documents - 202706

	OmniCTRL Temperature System Quick Guide - Loligo Systems Quick guide to setting up, calibrating, and operating the OmniCTRL Temperature system from Loligo Systems, featuring WTW meters and Witrox sensors for precise environmental monitoring and regulation.
	WTW-EGDRY388GWX/GBX IP Camera User Manual This manual provides instructions for setting up, registering, and using the WTW-EGDRY388GWX/GBX IP Camera, including app installation, camera configuration, motion detection, recording, playback, sharing, and troubleshooting.

	WTW-NV4 NVR WTW-NV4 (NVR)
	OmniCTRL Oxygen System Quick Start Guide by LOLIGO® SYSTEMS A quick guide to setting up, calibrating, and running experiments with the LOLIGO® SYSTEMS OmniCTRL Oxygen system, including WTW meters and Witrox sensors. Covers first-time use, setup, experiment execution, and maintenance.
	WTW-180-BMP/BMD/BMDB IP Camera User Manual This user manual provides detailed instructions for setting up, operating, and troubleshooting the WTW-180-BMP/BMD/BMDB IP Camera. It covers installation, app setup, camera registration, recording settings, playback, sharing, and advanced features.
	4K DVR 34 4K DVR 34

Documents - WTW – 202706

PRODUCT GUIDE

molex

WIRE-TO-BOARD SIGNAL CORE PRODUCTS

0.80 to 2.50mm Pitch Connectors

PSBU - CORE SIGNAL CONNECTORS

Connector	Orientation	Termination	High-Pitch	Low-Pitch	Low-Pitch
OrbiLock	Micro-Lock	Micro-Lock Plus	Micro-Lock Plus	Micro-Lock Plus	Micro-Lock Plus
Pico-Lock	Pico-Lock	Pico-Lock Plus	Pico-Lock Plus	Pico-Lock Plus	Pico-Lock Plus
Micro-Lock	Micro-Lock	Micro-Lock Plus	Micro-Lock Plus	Micro-Lock Plus	Micro-Lock Plus
Micro-Lock	Micro-Lock	Micro-Lock Plus	Micro-Lock Plus	Micro-Lock Plus	Micro-Lock Plus

BASIC

• Basic minimum necessary

• Precision of connection

• Precision of connection

• Precision of connection

• Precision of connection

ADVANCED

• Additional features over basic version

• Precision locking

• Gold-plated available

• TPA options

PRO

• Lowest profile

• Higher current density

• Integrated ISL (Independent Secondary Lock)

High-orientation Positive Lock

Click Feeding When Mating

Plating and Color Options

Micro-Lock Profile

Higher Current Capability

[\[pdf\]](#) Reference Guide Guide

Core Signal Connectors Reference Guide 987651 9152 inline molex content dam dot com en us product reference guides |||

PRODUCT GUIDE WIRE-TO-BOARD SIGNAL CORE PRODUCTS 0.80 to 2.50mm-Pitch Connectors PSBU CORE SIGNAL ... o 874210000/0100 Pico-SPOX 1.5 Tin 87437 SMT 87438 SMT 874210102/0002 87439 202705 SMT **202706** SMT Gold flash Friction 2,3,4,5,6, 7,8, 9,10, 11,12,13, 14,15 24 to 26 87421-0000 26 ... lang:en score:30 filesize: 1.98 M page_count: 12 document date: 2023-08-10



Saite 10

Sicherheitsdatenblatt

gemäß Verordnung (EG) Nr. 1272/2008 (REACH)

Datumsakt. 20.01.2023

Version 0.001 (Version 0)

Datumsakt. am: 20.01.2023

ABSCHNITT 1 : Bezeichnung des Stoffes, Leuchtengemisch des Gemisches und des Endverbrauchs

- Produktidentifikator
 Handelsname: ZIN 135, 91,5
 Artikelnummer: 02708
 Beschreibung: Holzschutzmittel
- Relevante identifizierbare Veränderungen des Stoffes oder Gemisches und Verwendungen, von denen allgemein nicht zu erwarten ist, dass sie zu einer anderen Einstufung des Stoffes oder Gemisches führen könnten
 Produkt geändert: P001015 Verwendung in Lärmschutzwänden
 Verwendung des Stoffes (oder Gemisches): Nutzung zur Oberflächenbehandlung
- Sicherheitsdaten von Lieferanten, die das Sicherheitsdatenblatt bereitstellen
 Lieferant: Lohmeyer
 Ansprechpartner: Thomas Griebel
 E-Mail: thomas.griebel@lohmeyer.de
 Art.-Nr.: 11
 02708
 Tel.: +49 361 93 0
 Fax: +49 361 93 1
 Geschäftsbereich: Beschaff. E-Mail: info@ZIN135.com
 Auftragsbestätigung: 02708 E-Mail: info@ZIN135.com Informations-Mail: 02708-02708

ABSCHNITT 2 : Gefährliche Eigenschaften

Gefährdung gemäß Ver.ordnung (EG) Nr. 1272/2008:

 **H228** **Flammbar**

 **H314** **Kann schwere Hautverätzungen verursachen**

 **H410**

Stoff- oder Gemischspezifische Angaben:

Risk 221 **H315** **Verursacht Hautirritation**

Risk 222 **H332** **Verursacht Augenirritation**

Gefährdung gemäß Ver.ordnung (EG) Nr. 1272/2008: Das Produkt gemäß CLP-Verordnung eingestuft als gemischtes Gefährdungsgemisch:

 **H228**

Gefährdung: Achtung

Gefährdungsbegründung:
 H228: aus gasförmigen Mischbestandteilen
 H315: Verursacht Hautirritation
 H332: Verursacht Augenirritation

(Folienzahl auf Seite 1)

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		Page 107	
Safety data sheet according to the REACH-Annex VI (Article 31) Version number 0 (expansive version) Printed date 23.01.2023 Revision: 2007.2021			
SECTION 1 Identification of the substance/preparation and of the company/undertaking			
1.1 Product identifier Trade name: FIB 300, FL30 Article Number: 22770 Description: see table below			
1.2 Hazard identified on the substance or mixture and substances contained Classification: see table below Process classification: H302-H332 (see table below) Regulation of the substance: The preparation: Grouping of substances according to			
1.3 Details of the supplier of the safety data sheet Name/Address/Supplier: Xylem Analytics, Sennelsiedel Am Flughafen 11 60549 Frankfurt Germany T +49 69 140 63 0 Further useful contacts obtainable from E-mail: info.fib@xylemanalytics.com 1.4 Emergency telephone number: (Country: USA 800-444-3303) (International 001-609-427-3887)			
SECTION 2 Hazard identification			
2.1 Classification of the substance or mixture Classification according to Regulation (EC) No 1272/2008:  H314 Corrosive  H332  H302  H410  H410  H410			
2.2 Label elements Labeling according to Regulation (EC) No 1272/2008: The product is classified and labeled according to the GHS-regulation. Label elements: Signal word: Warning Pictograms: see table below Precautionary statements: see table below Other information:			
(Cont. on page 11)			

[\[pdf\]](#) Safety Datasheet

202706 ZBK 325 RL G DE 9 ChemGes V 56 0 3 20230119 0946 DR Software GmbH 43 2628 61900 Inc

1 902 832 3425 info@dr software maruec xylemanalytics File Library Resource MSDS |||

Druckdatum: 23.01.2023 Sicherheitsdatenblatt gem Verordnung EG Nr. 1907/2006

REACH Version 9 e ... Gemischs und des Unternehmens 1.1 Produktidentifikator

Handelsname: ZBK 325: RL/G Artikelnummer: **202706** Bezeichnung:

Reinigungsleistung 1.2 Relevante identifizierte Verwendungen des Stoffs oder Gemis...

lang:de score:16 filesize: 272.32 K page count: 8 document date: 2023-01-23

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202706 ZBK 325 RL G PT 9 ChemGes V 56 0 3 20230119 0946 DR Software GmbH 43 2628 61900 Inc

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Ficha de dados de segurança em conformidade com 1907/2006/CE, Artigo 31 data da

impresso 23.01.2023 ... a sociedade/empresa 1.1 Identificador do produto Nome

comercial: ZBK 325: RL/G Cdigo do produto: **202706** Designao: Soluo de limpeza 1.2

Utilizaes identificadas relevantes da substncia ou mistura e...

lang:es score:15 filesize: 271.52 K page count: 8 document date: 2023-01-23

[\[pdf\]](#) Datasheet Safety Datasheet

202706 ZBK 325 RL G EU 9 ChemGes V 56 0 3 20230119 0946 DR Software GmbH 43 2628 61900 Inc

1 902 832 3425 info@dr software maruec Safety data sheet Jan 23 2023 — Precautionary statements

P280 Wear protective gloves clothing eye protection face P302 P352 IF ON SKIN Wash with plenty of

water xylemanalytics File Library Resource MSDS |||

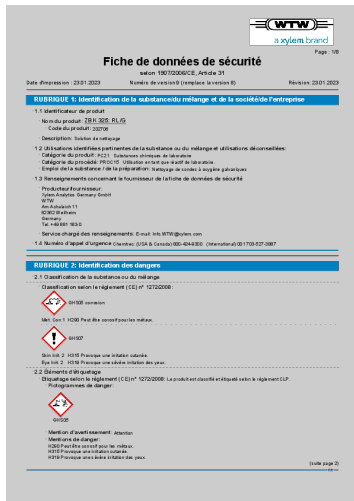
Printing date 23.01.2023 Safety data sheet according to 1907/2006/EC, Article 31

Version number 9 ... and of the company/undertaking 1.1 Product identifier Trade

name: ZBK 325: RL/G Article number: **202706** Description: Cleaning solution 1.2

Relevant identified uses of the substance or mixture and...

lang:en score:15 filesize: 264.72 K page count: 7 document date: 2023-01-23



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23.01.2023 Numro de ... cit/de l entreprise 1.1 Identificateur de produit Nom du

produit: ZBK 325: RL/G Code du produit: **202706** Description: Solution de nettoyage

1.2 Utilisations identifiées pertinentes de la substance ...

lang:fr **score:15** filesize: 272.5 K page_count: 8 document date: 2023-01-23



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English Core Signal Connectors 0 80 2 50mm Pitch Molex 987651 9152 8 content molex dxdam 41

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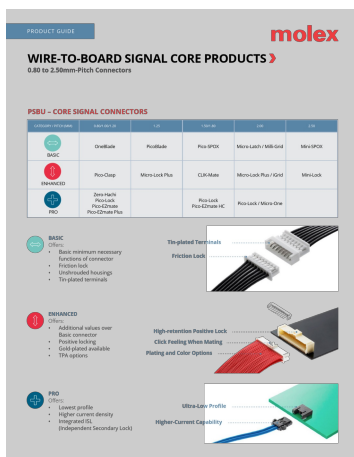
PRODUCT GUIDE WIRE-TOBOARD SIGNAL CORE PRODUCTS 0.80 - 2.50mm

Pitch Connectors PSBU CORE SIGNAL C ... 26-30 87421-0100 87437 SMT 87438

SMT Friction 3.5A 250V Basic Gold flash 202705 SMT **202706** SMT 24-26

2,3,4,5,6,7,8, 87421-0002 9,10,11,12,13, 14,15 26-30 87421-0102 502584...

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WIRE TO BOARD SIGNAL CORE PRODUCTS Aug 9 2023 — BASIC Offers Basic minimum necessary

functions of connector Friction lock Unshrouded housings Tin plated terminals ENHANCED 2df620c1

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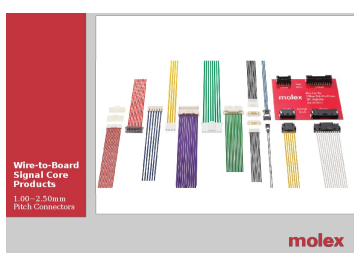
PRODUCT GUIDE WIRE-TO-BOARD SIGNAL CORE PRODUCTS 0.80 to 2.50mm-

Pitch Connectors PSBU CORE SIGNAL ... o 874210000/0100 Pico-SPOX 1.5 Tin

87437 SMT 87438 SMT 874210102/0002 87439 202705 SMT **202706** SMT Gold flash

Friction 2,3,4,5,6, 7,8, 9,10, 11,12,13, 14,15 24 to 26 87421-0000 26 ...

lang:en **score:12** filesize: 2.17 M page_count: 12 document date: 2023-08-07



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Wire to Board Signal Core Products 987651 9152 content molex dxdam 91 91bdeab4 67b2 46be aef3

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:LUHWR RDUG W6irLJeQ-tDoO-Board Si gRnUaHI3CUoRrGeXFWW

ProdauctsPP3LWFK 1. 00RQ-Q2H.F5W0RmUVm Pitch ... T N/A Tin 2, 3, 4, 5, 6, 7,

8, 9, 10 * 505567 N/A * 505448 Dual N/A 504050 SMT 87438 SMT **202706** SMT Tin

Gold Outer Positive 2,3,4,5,6,7,8,9,10 11,12,13,14,1,5,16 Tin Tin Gold Tin Inne...

lang:en **score:11** filesize: 1.94 M page_count: 6 document date: 2021-04-12

