



TOXcontrol Parts Manual

Version: V1.0
Date: 22-11-2011

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3. GENERAL

3.1 VERSION OVERVIEW

Version	Release date	Changes
V0.1	November 2011	Basic version
V1.0	November 2011	Final version

Table 1: Version overview

3.2 COPYRIGHT

This manual and all containing information and figures are copyrighted. All rights (publishing, reproduction, printing, translating, storage) are reserved by microLAN b.v. Each reproduction or utilization outside the permitted limits of the copyright law are not allowed without previous written consent of microLAN b.v.

The reproduction of products names, registered trade names, designation of goods etc. in this manual does not imply that these names can be used by everyone, often these are registered trademarks, even if they are not marked as such.

3.3 LIMITED WARRANTY

microLAN BV warrants each Model TOXcontrol and its optional equipment against defects in materials and workmanship under normal use and service for a period of one (1) year. Equipment installed by microLAN is warranted from the installation date; all other equipment is warranted from the ship date. If purchaser schedules or delays installation more than 90 days after delivery, then the warranty period starts on the 91st day from date of shipment. This warranty extends only to the original purchaser. microLAN will, at its option, repair or replace equipment that proves to be defective during the warranty period, provided the equipment is returned to microLAN at the expense of the purchaser. Parts, labor, and return shipment to the customer shall be at the expense of microLAN. Travel costs shall be at the cost of the purchaser.

Software and firmware designed by microLAN for use with an external PC will execute its programming instructions when properly installed on that PC. microLAN does not warrant that the operation of the PC, software, or firmware will be uninterrupted or error-free.

Consumables, syringes and tubing are warranted for 30 days (parts only) and are not available for coverage under extended warranties or service contracts.

This warranty shall not apply to defects originating from:

- Improper maintenance or operation by purchaser.
- Purchaser-supplied accessories or consumables.
- Modification or misuse by purchaser.
- Operation outside of the environmental and electrical product specifications.
- Improper or inadequate site preparation.
- Purchaser-induced contamination or leaks.

4. MANUAL INFORMATION

4.1 NOTES, CAUTIONS AND WARNINGS

This manual contains Notes, Cautions and Warnings, for situations that may endanger operating personnel, cause damage to equipment or need specific attention. The following formats and symbols are used:

Note:

Notes provide additional information, such as expanded explanations, hints or reminders.

Caution:

Cautions alert you to conditions that may cause damage to the equipment or interfere with the normal processing and damage the product.

Warning:

Warnings point out procedures you must follow precisely to avoid personal injury or serious damage to the equipment.

4.2 RELATED DOCUMENTS

This manual is part of a set of microLAN b.v. manuals supplied for the TOXcontrol. Additional information can be found in:

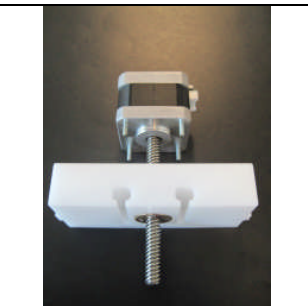
-  TOXcontrol User Manual
-  TOXcontrol Software Manual
-  TOXcontrol Advanced Manual

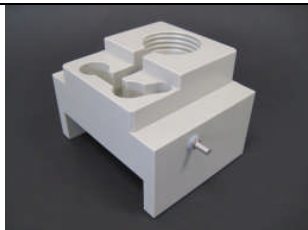
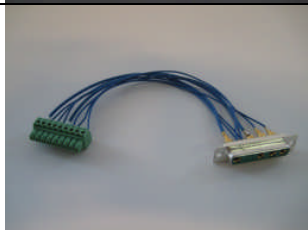
5. PICTURE OVERVIEW

5.1 SERVICE PARTS

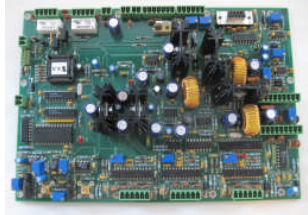
In this overview you can find all information about available service Parts for TOXcontrol instrument.

<i>Part number</i>	<i>Description</i>	<i>Picture</i>
01TCB002021	TOXbioshaker isolated cover	
01TCB1016-0011	TOXbioshaker EM-plate	
06TCB1016-0201	Seal EM-plate TOXbioshaker	
06TCB00701	Temperature sensor for cabinet; USB connection	
06TCB040215	Stirrer bar white 5x2mm (5 pack)	
06TCB118054	Stirrer bar blue, 5x2 mm (5 pack)	

06TCBAA101-05-09	Tube support plate	
06TCBAA10109	Pillar M5 (2 pack)	
06TCBAC00101	Air-conditioning filter	
06TCBAL002	Control block for reference bottle TOXcontrol	
06TCBSS001	Syringe block complete TOXcontrol	
06TCBSS001/B	Cable for Syringe block complete TOXcontrol	
06TCBAL003	Rinsing unit complete TOXcontrol	

06TCBAL101	NaCl supply complete TOXcontrol	
06TCBEA1007-10	Cable assy modules (TOXcontrol)	
06TCBHA63010	Locking screw module connector	
06TCBEA10131	Cable door switch long TOXcontrol	No picture available
06TCBEA063	Communication cable Watson Marlow 401 pump	
06TCBEA024	Communication cable TOXcontrol	
06TCBDIV012	Power cable NL	
06TCBDIV013	Power cable CHN	
06TCBDIV014	Power cable US	

06TCBDIV015	Power cable UK	
06TCBAL1005-00	Mixing module TOXcontrol	
06TCBAL1006-00	Bacteria module TOXcontrol	
06TCBAT008	Toothed belt horizontal	
06TCBAT009	Toothed belt vertical	
06TCBAT010	Sprocket wheel 20T	
06TCBAT011	Sprocket wheel 24T	

06TCBAT012	Sprocket wheel 48T	
06TCBAT014	Bearing	
06TCBAT015	Excentric rod	No picture available
06TCBEA061	Valve	
06TCBEA100	PCB controller board (TOX-2)	
06TCBAT105-01	Tip arm complete TOXcontrol	
06TCBHA108-00	Tip arm screw	
06TCBAT105-03	Black fabric for tip arm	

06TCBDIV010	TOXcontrol special motor oil 30ml	
06TCBDIV011	Drain pipe 32/16 mm	
06TCBEA004	Fuse 4AT (6,3 x 32mm) 10 pack	
06TCBEA204	Fuse 4AT (5x20mm) 10 pack	
06TCBEA023	PSU	
06TCBEA057	Micro switch	
06TCBEA058	Cooling fan 60 mm	
06TCBEA150	Cooling fan 120 mm	

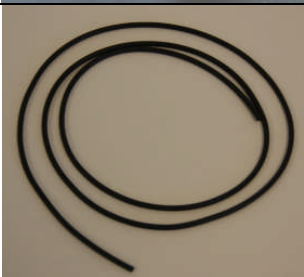
06TCBEA1055	Stepper motor (left/right, up/down)	
06TCBDIV005	Seal PMT cover	
06TCBKS001	TL Tube	
06TCBPR001	Processor TOXcontrol	
06TCBSK001	TOXcontrol service kit (tip-tube-insert)	

Table 2: Service parts

5.2 TOOLS

In this overview you can find all information about necessarily tools for servicing the TOXcontrol instrument.

When ordering these parts can be from a different brand with a different price.

Prices only on request.

5.2.1 Calibration tools

<i>Part number</i>	<i>Description</i>	<i>Picture</i>
09TLCAL001	Calibrated temperature sensor <i>Info: Calibration temperature modules</i>	
06TCBGLO-002-G1	PMT calibration tool G1 <i>Info: Calibration Photo Multiplier Tubes (PMT)</i>	
09TLCAL002	Graduated Cylinder; Glass 10 ml <i>Info: Calibration volumes</i>	
09TLCAL003	Multimeter <i>Range:</i> AC Volts: 300 V DC Volts: 300 V DC Amps: 3 A	

Table 3: Calibration tools

5.2.2 General tools

Article number	Description	Picture
09TLGN001	Hex key set <i>Info: 1,5 mm – 10 mm</i>	
09TLGN002	Hex key screwdriver set <i>Info: 1,5-2-2,5-3 mm</i>	
09TLGN003	Screwdriver set <i>Info: Slotted</i>	
09TLGN004	Screwdriver set <i>Info: PH 0-1-2</i>	
09TLGN005	Screwdriver: <i>Info: 2.5 x 75mm</i>	
09TLGN006	Single trimmer tool <i>Info: Adjustment trimmers</i>	

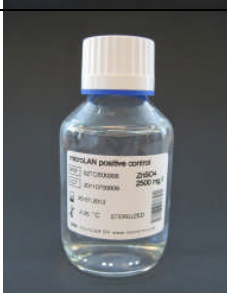
09TLGN007	PLCC extractor <i>Info: To remove processor chip from main PCB</i>	
09TLGN008	Tweezers <i>Info: PMP, pointed</i>	
09TLGN009	Wrench set <i>Info: 5x5,5 – 6x7 – 8x9 – 10x11 – 12-13mm</i>	
09TLGN010	Adjustable wrench <i>Info: 4"</i>	
09TLGN011	Snipe nose pliers small	
09TLGN012	Side cutter pliers small	

09TLGN013	Combination pliers	
09TLGN014	Snipe nose pliers	
09TLGN015	Side cutter pliers	
09TLGN016	Water pump pliers	
09TLGN017	Snap-off blade	

Table 4: General tools

5.3 REAGENTS

In this overview you can find all information about necessarily reagents to operate the TOXcontrol instrument.

Article number	Description	Picture
02TCB00304	1 box of 10 vials TOXcontrol reagent 1 ml (store -20°C) +10 vials media 50 ml (store +4°C)	
02TCB00307	Blank Solution, 1L	
02TCB00307L5	Blank Solution, 5L	
02TCB00308	Positive Control ZnSO4 2500 mg/l, 100 ml	
02TCB3180050	NaCl reagent 20%, 5 liter	

02TCB3180051	NaCl reagent 20% + Na ₂ S ₂ O ₃ 3 mg/l, 5 liter	
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Table 5: Reagents

5.4 CONSUMABLES

In this overview you can find all information about necessarily consumables to operate the TOXcontrol instrument.

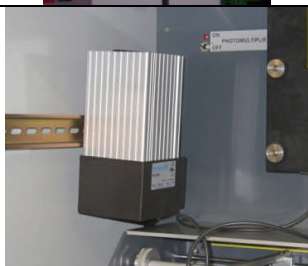
Article number	Description	Picture
04TCB215-0107	Reference bottle for TOXcontrol (2 pack)	
04TCB281205	NaCl bottle for TOXcontrol 1 liter	
04TCB102335	Cultivation flask (100 ml)	
04TCB102299	Cap for cultivation flask (100 ml)	

04TCB451431	Sterile pipettes 10 ml (100 pack)	
04TCB343110	TOXtip Syringes (100 pack)	
04TCB802361	Q filter 0.5 micron carbon (Q572V)	
04WM9020040016	401 Pump tubing: 4.0 x 1.6 mm, 1 mtr (Marprene)	No picture available
04WM913A032016	101 Pump tubing: 3.2 x 1.6 mm, 1 mtr (Platinum silicone)	No picture available
04WM913A048016	101 Pump tubing: 4.8 x 1.6 mm, 1 mtr (Platinum silicone)	No picture available
04WM9300048016	Valve tubing: 4.8 x 1.6 mm, 1 mtr (Butyl)	No picture available
06TCBSK001	TOXcontrol service kit (tip-tube-insert)	

Table 6: Consumables

5.5 OPTIONS

In this overview you can find all information about the options available for the TOXcontrol instrument.

Article number	Description	Picture
01TCB00101 04TCB343110 06TCB118054 06TCB040215 04WM9300048016 04TCB281205 04TCB2150-107 06TCBDIV010 01TCB00020	Option: Starter package TOXcontrol contains: 20x TOXtip syringes 1x Stirring bar white 5x2 mm 1x Stirring bar blue 5x2 mm Butyl tubing 20 cm for magnetic valve NaCl Bottle 1 L Reference bottle (2 pack) Special maintenance oil Manual set TOXcontrol	
01TCB00201 04TCB102335 04TCB102299 04TCB451431 - 01TCB1016-0011 01TCB002021 - -	Option: Starter package TOXbioshaker contains: 2x Cultivation flask (100 ml) 2x Cap for cultivation flask (100 ml) 2x Sterile pipettes (10 ml) Power cord (country type) TOXbioshaker EM plate TOXbioshaker isolated cover TOXbioshaker Manual Test certificate microLAN	No picture available
01TCB00302	Option: Air-conditioning unit	
01TCB00304	Option: Toxicity warning light	
01TCB00401	Option: Heating unit	

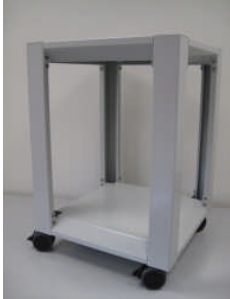
01TCB00501	Option: Feed option for dosing ref. water TOX	
01TCB00602	Option: TOXcontrol trolley	
01TCB0602	Option: UPS System	No picture available
01TCB802360-1	Option: Q-filter unit 0,5 u (incl. head)	
01TCBAA2015-00	Option: Automatic dosing system NaCl 20%	
01TCBAL502-00	Option: Control module 25ml TOXcontrol	
01TCBDIV022	Option: Supply tubing	
01WM0106131R00	Option: Pump variable speed 32tpm	No picture available
01WM0106131010	Option: Pump variable speed 200tpm	No picture available
01WM0106141010	Option: Pump variable speed 200tpm switched	No picture available
07TCB00301	Option: pcAnywhere remote control software	No picture available

Table 7: Options

5.6 COMPUTER / SOFTWARE

In this overview you can find all information about software and computer items used with the TOXcontrol instrument.

<i>Article number</i>	<i>Description</i>	<i>Picture</i>
07TCB00101	TOXview data acquisition software	No picture available
07TCB00102	TOXview reinstall license	No picture available
07TCBSK-3211	Dell keyboard rack model	

Table 8: Software / Computer

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