

# miniTOC sensor

online TOC control sensor for pure water systems  
using high efficient „direct surface“ oxidation with inline conductivity measurement

## configuration:

control operating system software minitoc interfaces	internal PC, 8" TFT touch monitor Windows XP embedded control software for measurement, qualification, diagnosis USB 2.0
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## analysis

method	UV oxidation (partial); Conductivity (difference)
detection limit	0,5 ppb
detection accuracy	0,5 ppb / 1%, whatever is greater
detection range	0,5 - 1000 ppb
Sample port	1
SST ports	1 (basic version) or 3 (Pro version)
max. conductivity of sample	< 2 µS/cm
sample volume flow	7 ml/min
analysis time	2 sec
sample temperature	10 - 50 °C

## housing:

dimensions	250 mm x 180 mm x 500 mm
weight	7 kg

## operating conditions

power supply	110 - 230 VAC, 50 Hz or external 12 V power package for portable use (option)
ambient relative humidity	10-95 %

# miniTOC



**on-line TOC control  
for pure water**

All information is subject to change without further notice.

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[www.membrapure.de](http://www.membrapure.de)

# miniTOC sensor - online TOC control

The **miniTOC** instrument uses the classical flow through concept for TOC online control. The efficient UV oxidation of organic compounds by „direct surface principle“ in combination with conductivity detection guarantees the high precision of the measured values.

The automatized functions of SST and calibration allow a high standard of safety and minimized operation costs in controlling the water.

Operation control is achieved on the basis of WINDOWS XP embedded software and through a TFT touch screen.

It is an easy to use system which brings quality control at an affordable level to your lab. The **miniTOC** is a valuable accessory for all ultra pure water systems.

**miniTOC** can also be ordered with interval measuring. With that option up to 3 measuring points or loops can be controlled online with only 1 system. The interval can be configured by the client.

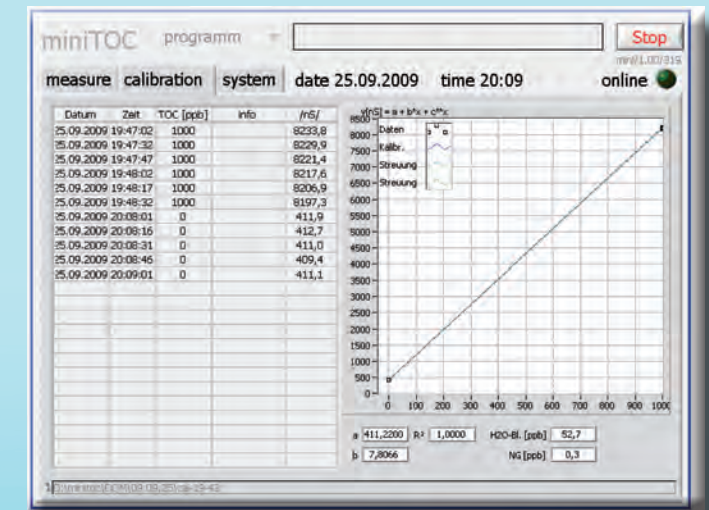


## Calibration

Calibration can be done by the user himself. For calibration of the **miniTOC** instrument the online control mode has to be stopped and the calibration is performed.

The operator has to connect the inlet with the calibration standard solution and the diluting water sample. The programmable procedure of the calibration steps will be performed automatically.

The statistical evaluation of the measurements and the corresponding calibration parameters will be shown on the screen (plausibility test).



## miniTOC advantages

- quick reaction time
- continuous measurement
- high efficient oxidation using long lasting UV lamp
- easy to calibrate
- up to 3 loops can be controlled online
- easy to realize SST
- Viewer - all data is saved and can be checked again

## System Suitability Test - SST

The verification of the TOC results according to requirements of USP and Ph.Eur are realized by the periodical performance of the System Suitability Test.

The software of the **miniTOC** instrument enables the user to do SST by himself by using the automatic procedure and data evaluation of the test.

