

TOTAL-CHECK™ 900 TOC Monitor

SIEMENS

The TOTAL-CHECK™ 900 Total Organic Carbon (TOC) monitor from Siemens Water Technologies is a stand alone unit which can be connected to most brands of laboratory high purity water systems.

GENERAL DESCRIPTION:

TOC monitoring ensures that the water produced by the water system meets Clinical Laboratory Reagent Water (CLRW) grade requirements. TOC reduction improves laboratory results by making sure that critical data is not destroyed by high levels of TOC present in the water.

Research applications in the clinical, analytical or municipal laboratory that require TOC monitoring include chromatography, in vitro fertilization, DNA/RNA, PCR (polymerase chain reaction) and cell culture.

It is essential to monitor organic impurities, in order to have an absolute picture of the water being produced by your water polishing system. Critical laboratory experiments can be affected by even relatively low levels (<50ppb) of TOC that are present in ultra pure water.



Operating Parameters:

Operating Range	1-999 ppb TOC
Display Resolution	Single ppb increments
Repeatability	+/- 5%
Accuracy	+/-15% or +/- 1ppb (whichever is greater)

The TOTAL-CHECK™ 900 TOC monitor operates in 3 modes: automatic mode for continuous sample analysis, manual mode for irregular water sources, and standby mode.

The TOTAL-CHECK™ 900 TOC monitor is delivered with a certificate of calibration, to ensure that the system performs at its highest level. It can be recalibrated upon users request and is designed to take into account the suitability test requirements as specified in USP <643>.

FEATURES & BENEFITS:

- Easy to install and use
- Easy to read single ppb display
- Operating range 1 to 999 ppb
- Fast and accurate sample testing
- Automatic and manual operation modes
- Self-cleaning operation

SYSTEM SPECIFICATIONS:

Water Sample:	
Inlet Pressure	4.8 bar (70psi) Max
Max Flow Rate	Up to 200L/hr
Temperature	41° to 95°F (5° to 35°C)
Resistivity	>15MΩ-cm @ 25°C**

**The TOTAL-CHECK™ 900 TOC monitor may be used with a water sample whose resistivity is between 5 and 15 MΩ @25°C, but repeatability and accuracy levels will be lower

GENERAL SPECIFICATIONS:

Physical Characteristics	
Operating Temperature	59° to 86°F (15° to 30°C)
Operating Weight	4.2lbs (1.9 Kg)
Size, in(mm)	9.3 (237)H x 6.1 (155)W x 5.9 (150)D
Power Supply	100-230V +/- 10% / 50-60Hz

ORDERING INFORMATION:

Part #	Description
TM900M001	TOTAL-CHECK™ 900 TOC Monitor
TM900UVM1	Replacement UV Lamp
TMFTPF04949	Replacement inlet/outlet tubing
TMFTPF04950	Replacement Tube Luer Fittings (5 sets)
TMFTPF04945	Replacement Tubing Fitting Kit

The TOTAL-CHECK™ 900 comes packaged with:

- Inlet/Outlet Tubing Set: 2 x 150 cm (5 ft.) tubes with fittings (4.77mm (3/16") OD x 3.17mm (1/8") ID)
- Power Cord
- User Manual
- Certificate of Calibration

TOTAL-CHECK™ 900 is the perfect addition to the following water purification systems:

- PURELAB® Classic, UHQ, Option and Prima models
- MEDICA® systems for Clinical Analyzers
- MODULAB™ High Flow systems
- Other manufactures' water systems

The information provided in this literature contains merely general descriptions or characteristics of performance which in actual case of use do not always apply as described or which may change as a result of further development of the products. An obligation to provide the respective characteristics shall only exist if expressly agreed in the terms of the contract.

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