

По вопросам продаж и поддержки обращайтесь:

Архангельск (8182)63-90-72
Астана (7172)727-132
Белгород (4722)40-23-64
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89
Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04

Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Липецк (4742)52-20-81
Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Новосибирск (383)227-86-73
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Пермь (342)205-81-47
Ростов-на-Дону (863)308-18-15

Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Тверь (4822)63-31-35
Томск (3822)98-41-53
Тула (4872)74-02-29
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Уфа (347)229-48-12
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Ярославль (4852)69-52-93

Единый адрес: oci@nt-rt.ru **Веб-сайт:** www.oi.nt-rt.ru

TOC анализатор 1030W OI Analytical

Significantly expand sample range and increase throughput with the Aurora 1030W TOC Analyzer, an instrument specifically designed for analyzing organic contamination levels in aqueous samples by the heated persulfate wet oxidation technique.



The Aurora 1030W TOC Analyzer uses the proven heated persulfate wet oxidation technique to analyze organic contamination levels in liquid samples. The instrument can be programmed and calibrated to analyze samples containing organic carbon at levels as low as 10 ppb and as high as 30,000 ppm. In addition to its wide range, the Aurora 1030W has an extremely high daily throughput. Up to 300 samples can be analyzed in a 24-hour period (dependent on method and application).

The reaction chamber of the Aurora 1030W is thoroughly rinsed between analyses to eliminate residue from the previous sample. This ensures the Aurora 1030W maintains the low system background necessary for high sensitivity TOC measurements. This contrasts with combustion TOC analyzers in which residual salts accumulate on catalyst surfaces, degrading oxidation efficiency and causing higher blanks and background contamination.

Tested & Approved

The heated persulfate oxidation technique has been approved and adopted in numerous regulatory compliance methods, standards, and norms for water quality testing, including: Standard Method 5310C, USEPA 415.3, USP <643> / EU 2.2.44, ASTM D 4779 and 4839, USEPA-DBPR, USEPA-SPCC, ISO 8245, and EN 1484.

Applications

The Aurora 1030W TOC Analyzer is ideal for the following applications: drinking water, pharmaceutical cleaning validation, municipal wastewater, ground water/surface water, process water, boiler feed water and condensate, metal plating solutions, and ultrapure water.

Aurora 1030W Features:

Wide sample range from 10 ppb to 30,000 ppm

High sample efficiency – Up to 300 samples daily

Rinse function eliminates residue from previous sample preventing blanks and background contamination

Heated persulfate oxidation technique is compliant with numerous regulatory methods, standards, and norms

Operates with an intuitive color touchscreen display with Windows® CE-based software

Options available to process more samples and broaden scope of sample type

Operating Principle	Heated sodium persulfate oxidation
Measurement Range	10 ppb C - 30,000 ppm C (multiple calibration ranges or dilution required)
Instrument Detection Limit (IDL)	2 ppb C
Sample Injection Volume	10µL – 10mL
Method TC	Acid and persulfate reaction
Method TIC	Acidification with Phosphoric acid and sparging
Method TOC	NPOC by heated persulfate oxidation or TC - TIC
Reagents Required	Sodium persulfate, 5% phosphoric acid, rinsewater
Gas Supply	N ₂ (99.998%), zero-grade air, or O ₂ (99.998%)

General Instrument Specifications	
Measurement Technique	Non-dispersive infrared (NDIR) detector
Operator Interface	Color LCD touchscreen display with Windows® CE-based software
Basic Software	Single instrument operation with data transfer to PC
Optional A_{TOC} Software	Network LAN/LIMS operation, data management, custom reports, 21 CFR 11 compliance

General Instrument Specifications

Autosampler	88 position rotary autosampler designed to fit directly underneath Aurora 1030D analyzer
--------------------	--

Certification	CE, EMC: EN61326 / Safety: IEC 61010-11 2001
----------------------	--

Power Supply	Variable voltage, 100-240VAC, 50/60Hz, 950W
---------------------	---

Dimensions – Aurora 1030D + 1088 Autosampler	26.75 in. H x 19.5 in. W x 23 in. D.
---	--------------------------------------

Weight – Aurora 1030D + 1088 Autosampler	34.5 kg (76 lbs.)
---	-------------------

По вопросам продаж и поддержки обращайтесь:

Архангельск (8182)63-90-72
Астана (7172)727-132
Белгород (4722)40-23-64
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89
Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04

Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Липецк (4742)52-20-81
Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Новосибирск (383)227-86-73
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Пермь (342)205-81-47
Ростов-на-Дону (863)308-18-15

Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Тверь (4822)63-31-35
Томск (3822)98-41-53
Тула (4872)74-02-29
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Уфа (347)229-48-12
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Ярославль (4852)69-52-93

Единый адрес: oci@nt-rt.ru **Веб-сайт:** www.oi.nt-rt.ru