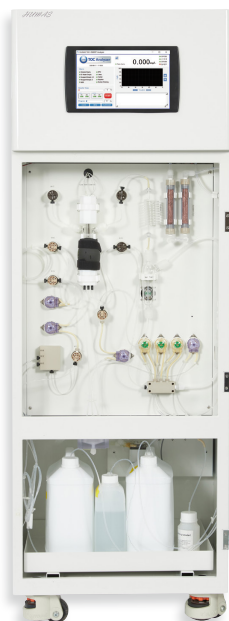


TOC 4500WT

AUTOMATIC TOC ANALYZER FOR WET OXIDATION



Specification

Measuring Range	0 - 100 mg/L
Measuring Principle	Wet oxidation (NPOC method)
Oxidation Principle	Oxidant + UV + Heat
Detection Principle	NDIR Sensor
Repeatability	± 2% of F.S
Accuracy	± 2% of F.S
Display Resolution	0.001 mg/L
Analysis Cycle Time	Less than 15 min
Sampling Unit	Sample loop Line measuring
High Salt Sample	Dual scrubber
Moisture Removal	Membrane dryer
Cycle of Reagent Replacement	4 weeks
Permissible Sample Temperature	5 - 40℃
Operation System	Industrial PC, Windows OS Color LCD (10") Touch Screen
Data Storage	PC SSD, USB Memory stick available
Alarm List	No sample, No distilled water, No reagent, No carrier gas, UV-Lamp abnormal, MFC abnormal, Detector abnormal, System abnormal, Consumption replacement
Electrical Output Signal	RS-232C / 4 - 20 mA
Status List	Normal, Pause, Calibrating, Checking Communication error, Operating error
Power Supply	AC 110 - 220V, 50 - 60Hz
Power Consumption	100VA
Housing Material	Steel / Powder coating 550(W) x 430(D) x 1560(H) mm About 80 kg
Ambient Temperature & Humidity	5 - 40℃ Less than 85% RH
Carrier Gas	High purity nitrogen gas or Air
Option	Carrier gas generator

Features

- * Precise sample measuring method by using sample loop
- * Applied high-efficiency oxidation reactor
- * High-efficiency oxidation reactor considering UV transmission distance
- * Improved oxidation of high-salt sample (Chloride)
- * Variable measurement conditions and optimum oxidation conditions can be set
- IC removal time, carrier gas flow
- Injection volume of oxidant, operating time for UV Lamp
- * Increased maintenance convenience
- Enhanced durability of scrubber for high salt samples
- Detecting the presence or absence of supply of samples, reagents, and distilled water
- Self-checking function for main components (NDIR, MFC, UV lamp)
- Alarm function for consumable replacement cycle
- * Various service functions
- Application of TMS communication transmission standard
- Automatic shutdown function in case of device error or alarm
- Auto Strat & Auto Cleaning function when returning after a power outage
- Remote control of the operation such as start and stop using external contacts
- * Wide range of application
- Purification, sewage, wastewater, industrial process management, lake water, river water, etc.

Certifications and Awards



Awarded the achievement sharing contest (Korea Environment Corporation)



Awarded water technology contest (K-water)



Patent



Confirmation of the achievement sharing contest (Korea Environment Corporation)



Type Approval Certificate of Environmental Instrument



Selected Excellence Technology Top 20

Main Installation



- Wastewater Treatment Plant in Daedeok Industrial Complex



- Saemi Sewage Treatment Plant in Songsan



- Lotte Chemical in Seosan



- Boryeong Water Source in K-water



- Buan water source in K-water



- Pyeongtaek Energy