

# SIEVERS TOC-R3

## ONLINE TOC ANALYZERS

Sievers\* TOC-R3 Total Organic Carbon (TOC) and Total Nitrogen (TN) Analyzers are designed to solve critical industrial and environmental water challenges. With seamless operation, minimal maintenance, exceptional uptime, and Industry 4.0 readiness, you can make fast, confident decisions when they matter most.

### WHY MONITOR ORGANICS?

The TOC-R3 can be used to detect a leak in condensate return, enable onsite water reuse, monitor process water and cooling water, and ensure final effluent quality compliance. Continuous TOC monitoring and water quality analysis enable you to make profitable process decisions while avoiding shutdown, unplanned maintenance, and product loss.



### TOC-R3: ROBUST. RELIABLE. RESPONSIVE.

#### ROBUST ANALYTICAL PERFORMANCE

- Long-lasting ceramic reactor tube
- Automated rinse function for self-cleaning
- Broad analytical ranges:
  - TOC: 0-50,000 ppm
  - TN: 0-1,500 ppm
- Protection class: IP54; also available in Ex-proof enclosures: ATEX, & IECEx Zones I & II, Class 1 DIV 2

#### ULTIMATE RELIABILITY

- 1,200°C high-temperature, complete combustion without catalyst
- Minimal and simple maintenance due to modular design
- Predictive diagnostics and status monitoring
- Automated calibration and verification

#### ENHANCED RESPONSIVENESS

- Quick 1-3 minute cycle time
- Advanced data management with OPC UA, Modbus and 4-20 mA

#### OPTIONS & ACCESSORIES

- Communication Box (streamlined SCADA connections)
- Air Box: Stand Alone Carrier Gas System (avoid using plant air)
- Mounting Rack
- Modes include: NPOC, TOC, TC, IC, TN and VOC
- Sample preparation for high particulate loaded sample
- Automated internal dilution for range extension