

Sercon Thermalox

TOC/TNb analyzer

The analyzer is capable of determine total carbon (TC), total inorganic carbon (TIC), non purgeable organic carbon (NPOC), TOC (=TC-TIC), and total bound nitrogen (TNb) of aqueous samples.

- Catalytic thermal oxidation (combustion at $>680^{\circ}\text{C}$)
- NDIR and chemiluminescent detectors for the measurement CO_2 and NO_x gases.
- Detection limit of better than 40ppb for TOC and 10ppb for TNb
- Analysis time of less than two minutes per replicate
- Handles salts and particles ($< 100 \mu\text{m}$)
- Automatic preparation of calibration standards from stock solutions
- Auto-dilution of overrange samples
- Autosampler for 88 samples in glass or disposable plastic vials

<https://sercon-instruments.com/preparation-systems/toc-standalone/>



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