

# LSS Boat

## Automated High Temperature Combustion TOC Analyzer

- Automated sample delivery into furnace via software
- Low cost of ownership
- Up to 1 gram sample size giving you a wide analytical range
- Ability to switch back and forth between liquids and solids within minutes
- Analysis of 1 gram samples with up to 20mg carbon content can reduce errors associated with using small sample sizes

TOC users from around the globe requested simplicity, performance, and durability. The Teledyne Tekmar LSS Boat Module is an ideal add-on to the Lotix Total Organic Carbon (TOC) analyzer. It uses high-temperature combustion to accurately measure carbon content in a variety of matrices: soils, sludges, sediments, particulate-laden liquids and hard-to-oxidize samples.

Compact and simple, the LSS Boat is designed to work with the Lotix making it the ultimate solution for all of your TOC needs both liquid and solid for years of operation with an economical price to fit any budget.



# LSS Boat Specifications

<b>Chemistry:</b>	Oxidation by Combustion: From 680°C - 1000°C
<b>Analytical Method:</b>	TC, TOC
<b>TOC Analytical:</b>	S.D. +/- 2%
<b>Sample Amount:</b>	Up to 1 gram
<b>Measuring Range:</b>	TC 0.1mg to 20mg carbon
<b>TOC Analysis Time:</b>	<7 minutes at a gas rate of 200mL/min
<b>Sample Introduction:</b>	Automated delivery of boat into sample furnace via software
<b>Principal Applications:</b>	Soils, sludges, sediments, particulate-laden liquids, hard-to-oxidize samples
<b>Certification:</b>	CE (CSA site certified if required)
<b>TOC Utility Requirements:</b>	Voltage: 100/115/230 VAC (±10%), Frequency: 50/60 Hz, Power: 1200VA
<b>TOC Dimensions:</b>	10" W (25.4cm) x 24" D (60.9cm) x 15.8" (40.1cm) H Weight 35lbs (15.8kg)
<b>TOC Gas Supply:</b>	Hydrocarbon and Carbon Dioxide (CO <sub>2</sub> ) free air with TOC content <1ppm or UHP O <sub>2</sub> . Gas can be supplied from a cylinder or TOC gas generator. If a TOC gas generator is used, resulting gas must be hydrocarbon and water free.
<b>TOC Gas Inlet Pressure:</b>	50 to 100 psi