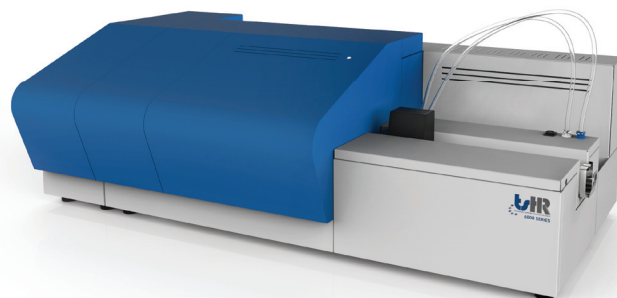


TX 6000

TSHR international introduces the Total Chlorine analyser, model TX 6000, as a trace level analyser that gets you the necessary data quickly, reliable and accurately. The TX 6000 is matrix independent and complies fully with the international industrial and environmental standards.

The TX 6000 provides the following benefits:

- **Versatility.** The TX 6000 analyses solid samples from very low levels (100 ppb) to very high concentrations (10.000 ppm)
- **Flexibility.** The TX 6000 is easily adaptable to new types of analyses (from halogens to sulfur)
- **Productivity.** The TX 6000 works around the clock, equipped with a HR 7000 liquid auto sampler directly into the boat module
- **Reliability.** The TX 6000 ensures complete combustion with minimum maintenance
- **Superiority.** The TX 6000 is fastest and most stable total chlorine analyser



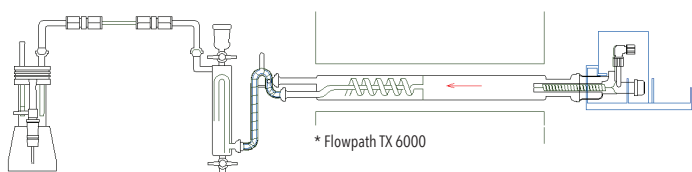
TSHR TX 6000 analyser

This Total Chlorine Analyser incorporates a dedicated halogen titration cell which is ideally suited for microcoulometric detection of total chlorine. The titration method enables calibration free measurements and detection to maximize productivity.

TSHR TX Chlorine Module

This TX chlorine module can be added to TSHR TN/TS 6000 Series instrument to achieve multi-element analysis.

The TX 6000 and TX module are fully compliant with the following regulatory methods: ASTM D4929, ASTM D5194, ASTM D5808



Solids module

For analysis of heavy hydrocarbons and solid samples, the TSHR boat introduction module is the key. The automatic boat driven concept controlled by Athena software, provides the optimum solution for many applications. The high sample load capacity and integrated septum stopper minimizes weighing errors and eliminates problems caused by non-homogeneous samples. The module is supported with quick gas connectors for oxygen and carrier gas (Ar/He).

Extra options:

The TX 6000 can be expanded with a sulfur (UV) module.

ANALYTICAL SPECIFICATIONS

Parameter	TX Liquids	TX Solids
<i>Working ranges</i>	0,2 - 5.000 ppm	0,2 - 10.000 ppm
<i>Detection Limit</i>	100 ppb	100 ppb
<i>Sample Matrix</i>	Heavy hydrocarbons, plastics, Solids	
<i>Quantity of sample</i>	0,1 - 100 mg	
<i>Analysis time</i>	4-10 minutes	
<i>Relative standard deviation</i>	< 5%	

TECHNICAL SPECIFICATIONS:

Parameter	6000 series
<i>Dimensions</i>	960 (W) x 390 (H) x 590 (D) mm 37,7 (W) x 15,4 (H) x 23,2 (D) inches
<i>Furnace Voltage</i>	2 x 24 V, 50/60 Hz
<i>Furnace power</i>	2 x 300 W
<i>Furnace Temperature Sensor</i>	2 x Ni-Cr/Ni
<i>Furnace configuration</i>	Dual temperature controlled
<i>Furnace Temperature</i>	1250 °C Max
<i>Type of Analyses</i>	Total Halogens and coulometric sulfur
<i>Detection Principle</i>	Coulometrics
<i>PC operating system</i>	Windows 7 or higher
<i>Computer</i>	Intel Core i3 / AMD Phenom or better
<i>Software</i>	Athena
<i>Regulatory compliance</i>	ASTM, ISO

Facility Requirments

<i>Voltage</i>	115/230 V, 50/60 Hz
<i>Power</i>	1200W
<i>Gas connector</i>	1/8" swagelok
<i>Gasses</i>	O ₂ (99,6%) medical grade 2.6 Ar or He (99,998%) technical grade 4.8
<i>Gas pressure</i>	2 - 3 Bar (30-45 psi)
<i>Ambient temperature</i>	5 - 35 °C (41 - 95 °F)

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