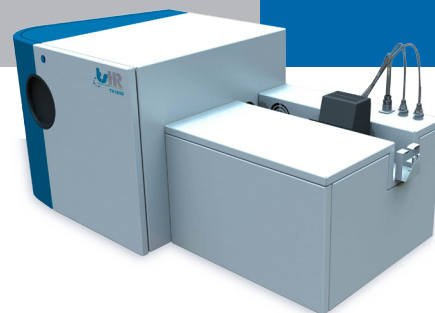


TSHR introduces the new generation of Total Halogens analysers for today's and tomorrow requirements

TX 1800

The TSHR TX 1800 is a analyser designed for the measurement of organic halides in a wide range of liquid and solid matrices with respect to international standards. Exceptional accuracy and precision by using temperature controlled furnaces and a turbo combustion quartz tube for conditioning of the combustion gases. All in combination with the latest user friendly and intuitive Athena software.



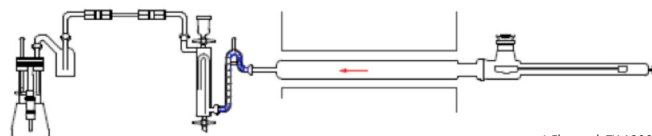
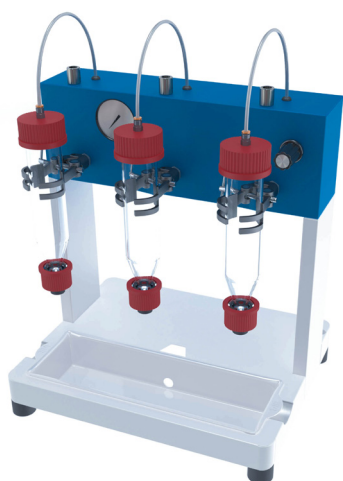
TX 1800

The TX 1800 is a compact and robust system for laboratories with an average number of total chlorine analysis. The instrument saves bench space and reduces investment costs without prejudicing quality the of reliable proven microcoulometric sub ppm analysis. The special design gives easy and save access to all serviceable parts.



The sample is introduced in an heated oxygen free zone where the sample is vaporised, after the vaporisation the gasses flow into the combustion area where the sample will be oxidized in a controlled two staged furnace. After the combustion, the gasses go through a conditioning step where all moisture and other interferences are removed. The clean combustion gas will flow towards the coulometric cell where the halide ions react with the present silver ions. The amount of charge needed to regenerate the precipitated silver ions is directly related to the Halide concentration.

* FU3 Three stations AOX filtration unit



* Flowpath TX 1800

KEY ADVANTAGES: TX 1800

- Easy to use and minimum maintenance.
- Robust and compact design
- Accurate, fast and reliable measurements
- Maintenance and service friendly design
- Analyse width range of matrix in liquid and gas samples
- CEN, DIN, ISO, NEN and ASTM standard compliance

ANALYTICAL SPECIFICATIONS

Parameter	TX 1800
<i>Working ranges</i>	
<i>TX liquids</i>	0.1 – 5000 mg/kg
<i>Quantity of sample</i>	
<i>Liquids</i>	1 – 100 µL
<i>Analysis time</i>	< 10 minutes
<i>Relative standard deviation</i>	< 5%
<i>Sample matrix</i>	High and low boiling liquids up to 450 °C (842 °F)

TECHNICAL SPECIFICATIONS:

Parameter	TX 1800
<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 Total Sulphur
<i>Detection Principle</i>	Micro Coulometric Titration
<i>PC operating system</i>	Windows 7 or higher
<i>Computer</i>	Intel Core i3 / AMD Phenom or better
<i>Compliance</i>	ASTM D4929, D5194, D5808, D3120 UOP 779
<i>Software</i>	Athena
<i>Optional accessories</i>	Gas Injection Module

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.
<i>Gas pressure</i>	2 – 3 Bar (30-45 psi)
<i>Ambient temperature</i>	5 – 35 °C (41 – 95 °F)

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