

# Elemental Analysis

## Oxygen/ Nitrogen/ Hydrogen

### TCH 600

#### Principle

Analysis of carbon and sulfur in inorganic materials by inert gas fusion.

<b>Manufacturer</b>	LECO Corporation Inc.
<b>Measurement Range Oxygen (w)</b>	0.1 ppm - ca. 50 %
<b>Measurement Range Nitrogen (w)</b>	1 ppm - ca. 70 %
<b>Measurement Range Hydrogen (w)</b>	0.1 ppm - ca. 7%
<b>Initial Weight</b>	ca. 0.01 - 1 g
<b>Carrier Gas</b>	Helium
<b>Furnace Output</b>	max. 7500 W
<b>Furnace</b>	Electrode furnace
<b>Determination Oxygen, Hydrogen</b>	Detector IR: CO, 2 x CO <sub>2</sub> , H <sub>2</sub> O
<b>Determination Nitrogen</b>	Thermal conductivity measurement
<b>Speciality</b>	Ramping: Determination and quantification of several oxides with different decomposition temperatures