

**HIDEX**

Hidex 600 OX Oxidizer



# Oxidize your samples with confidence

With the Hidex 600 OX Oxidizer you will get a fully automated and controlled combustion process for your radiocarbon samples.



Introducing the Hidex 600 OX Oxidizer, a fully computer controlled automated catalytic combustion unit for all organic sample preparation. The system uses industrial standard logic and mass flow controllers for fully reliable sample combustion process.

Organic sample is oxidized under oxygen stream into carbon dioxide and water vapor. The carbon dioxide is trapped directly into the liquid scintillation cocktail and the vial is ready for instant  $^{14}\text{C}$  LSC measurement. Water is condensed into separated vial containing cocktail for tritium measurement.



Up to six samples can be loaded in one go. Operator has walk away freedom and not tied up like older manual systems.

Ideal for variety of samples such as: soil, feces, tissue, cellulose, paint, adipose, crude oil, blood, plant material, bones and concrete from nuclear decommissioning of power plants.

Sample boats are placed on high purity quartz ladles. Hidex 600 OX Oxidizer is compatible with both disposable and reusable sample boats.



Samples are collected to scintillation vials automatically. Teflon nozzle seals the vial and cocktail is automatically aspirated into the vial. Vials are placed in a liquid scintillation counter sample rack directly ready to be counted with the Hidex 600 SL counter.



## Specifications 600 OX Oxidizer

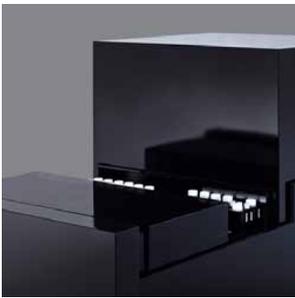
### Physical Data

Dimension, W/H/D (cm): 90/60/60  
Weight (kg): 85

Power Requirements:  
Gas Connections:

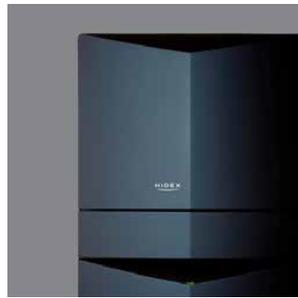
210-240 VAC, 10 A, 50 Hz  
Oxygen: 5 bar  
Nitrogen: 5 bar  
Pressurized air: 5 bar

### Related Products



#### Hidex 600 SL

Automatic TDCR LSC designed for high sample load capacity required in centralized laboratories.



#### Hidex 300 SL

The most advanced and compact LSC on the market, featuring absolute activity/DPM without external radioactive standards.



#### Hidex Sense Beta

High performance multimode microplate reader, featuring Liquid Scintillation, Beta and Gamma counting.



#### Hidex Automatic Gamma Counter

The compact design and superior user experience of our touch screen software makes it ideal for nuclear medicine applications.



**Hidex is a family owned high technology company** which develops and manufactures high performance analysis equipment for life science research, radiation measurement and nuclear medicine. Our products utilize modern technology and excellent tradition of workmanship. With strong links to the scientific community we continue to innovate and develop to improve scientific research and safety of everyday life.

Today more than 3000 Hidex precision instruments are at service in leading laboratories worldwide as well as in some of the hardest conditions on the planet. Jungles and deserts, oil platforms and ocean going vessels – even submarines are no challenge for Hidex instruments.

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