



# MAXWELLON MX-CES

*Honeycomb/ Particles/ Powder*  
Catalyst Evaluation System  
2024

Maxwellon Catalyst Evaluation System is designed to meet various needs in catalyst material screening and performance assessment. It offers integrated designs tailored to different experimental requirements. The system can simulate the mixing of multiple gases as well as liquids (steam and VOC organic solvents), allowing for thorough analysis and evaluation of material performance when introduced into the reaction chamber.

## Key Feature

- Customizable gas flow rate (0-100L range).
- Flexible media channels (1-20 routes).
- Compatible with various catalyst styles: honeycomb, particles, powder.
- Wide pressure range (atmospheric to 3 MPa).
- Programmable temperature control with adjustable ramp rates.
- Comprehensive control over flow rate, temperature, and pressure.
- User-friendly design for easy operation.
- Multiple control options: digital display, touchscreen, computer software.

## Specifications

Model	MX-CES Series
Gas Flow Rate	Customizable within the range of 0-100L
Number of Media Channels	Customizable from 1 to 20 routes (various media can be accommodated)
Catalyst Type	Honeycomb; Particles; Powder
Pressure	Atmospheric pressure to 3 MPa
Programmable temperature ramp-up with adjustable ramp rate	
Control over flow rate, temperature, and pressure for ease of operation	
Digital display meters, touchscreen interface, computer software	



Hydrothermal Aging Evaluation System



Fixed-Bed Catalyst Performance Evaluation System



High-Temperature Aqueous Oxygen Corrosion Evaluation System

## Application

- Fixed-Bed Catalyst Experimentation
- Hydrothermal Aging Device
- VOCs Catalyst Materials
- Automotive Exhaust Catalyst Evaluation
- Small-Scale Material Evaluation
- Catalyst Material Testing and Evaluation for Desulfurization and Denitrification



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