

# Dynamic Characterization of Thermoelectric Modules

## Principle

Thermoelectric modules are characterized close to the application scenario where oscillating temperatures on cold and hot side occur regularly. This test rig is designed to create these temperature variations independently on both sides of the thermoelectric module so that the module's behavior can be monitored within real load profiles.

---

<b>Manufacturer</b>	Self Developed and Manufactured
<b>Thermal Output</b> (controlled independently)	Hot Side: 900 W Cold Side: 600 W
<b>Temperature Range</b>	20 ... 650 °C
<b>Pressure Range</b>	0.01 kPa ... 5.0 kPa (Absolute)
<b>Atmosphere</b>	Inert Gas
<b>Dynamic Mode</b> - Cycling between 100 and 300 °C - Cycling between 200 and 400 °C	Cycle Time 10 Minutes 8 Minutes

---