



## **TEGeta**

Measurement of thermal  
and electrical properties  
and efficiency of  
Thermoelectric Power  
Generators TEG

## TEGeta Application fields

- TEG efficiency
- TEG specifications
- Thermal conductivity

## Operation

A temperature gradient is applied between a heating and cooling plate. The resulting heat flow, the voltage and current of a TEG mounted inbetween reference blocks is measured. Different load resistors can be applied to match the load (inner resistance = load resistance).

## Specifications

<b>Measurement ranges</b>	Temperature: up to 900°C Voltage: 0-60V; +/- 1% Current: 0-30A; +/- 2% Heat: up to 800W +/- 10%
<b>TEG max. area</b>	50 mm × 50 mm (typ) 80 mm × 80 mm (on request)
<b>Estimation of</b>	Heat flow Average Seebeck coefficient Average thermal conductivity Average module resistance Power output Efficiency

## General

**TEGeta** measurement technique was developed by PANCO, who also developed **PSM** Potential Seebeck Microprobe. PANCO is a reliable partner in international research projects and EU-projects.

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