

## SPECIFICATIONS

Thermoelectric module Tester – TEG Tester complete with soft- and hardware, incl. reference standards and accessories

Data acquisition software for controlling of the analyzer and operating the thermoelectric modules with several parameter adjustments

## TEG-Tester

<b>Sample temperature range (max):</b>	RT to 300°C (on hot side)
<b>Sample geometry:</b>	40 x 40 mm square , 25 x 25mm *
<b>Sample thickness:</b>	0.01 to 8mm (up to 20mm)
<b>Voltage:</b>	0 – 12 V
<b>Current:</b>	0 – 3 A
<b>Contact force range:</b>	0 to 2 kN (electrical actuator); up to 5 kN*
<b>Operation modes:</b>	I-V curve scanning/tracing Dynamic load Constant temperature gradient/heat flow/heating power Maximum power point tracking (MPPT) on request
<b>Evaluation of:</b>	Heat flow Power output Module conversion efficiency Average thermal conductivity Average module resistance
<b>Cooling options:</b>	Intracooler 600 (-20°C on cold side), Intracooler 1000 (-30°C on cold side)**
<b>Power supply:</b>	110/115/220/230 VAC 50/60Hz

\*others on request

\*\*lowest possible cold side meter bar temperature under optimum conditions