

Thermal Response Test Equipment Data

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Country: Sweden

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GENERAL TRT DATA

Type: <i>Heat injection</i>	No TRTs: <i>1</i>	Size, weight: <i>600x300x800, 60 kg</i>
Aim: <i>Research</i>		Pump: <i>Grundfos, 0 - 9 m³/h</i>
Powered by: <i>Electricity</i>		Heater: <i>NIBE, 3-12 kW</i>
Built on/in: <i>portable</i>		HP/Cooler: <i>N/A</i>
		Temperature measurements: <i>Fiber optics (±0.04°C) PT500 (±0.05°C)</i>
		Flow rate measurements: <i>- Brunata inductive</i>
		Voltage stabilization: <i>No</i>
		Supply Power Monitoring: <i>Yes</i>
		GPS: <i>No</i>
		Remote Control of Operation: <i>No</i>
		Remote Data Collection: <i>Yes</i>
		Logger: <i>Sensornet, Brunata Agilent</i>

TRT EXPERIENCE

Years of operation: *2 ½*

Number of performed measurements: *12 DTRTs. Research.*

Typical borehole depths: *150 to 260 m*

Applications: *BHE*

Typical collector type: *1U, 2U, coaxial multi-pipe, coaxial pipe in pipe, groundwater filled*

Typical fluid type: *Water or Aqueous solution of ethanol*

Typical groundwater temperature: *10-25°C*

Geographical area: *Sweden*

Analysis Method: *Line source / Cylinder source along the depth. Based on distributed temperature measurements with fiber optics*