

Thermal Response Test Equipment Data

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Country: Norway

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GENERAL TRT DATA

Type: <i>Heat injection</i>	No TRTs: 1	Size, weight: 1,98*4,80 m , 1100 kg
Aim: <i>Research/development/commercial</i>		Pump: <i>Grundfos CR5 (0,2-2,4 l/s)</i>
Powered by: <i>Electricity</i>		Heater: <i>Electric (4 x3 kW)</i>
Built on/in: <i>Trailer</i>		HP/Cooler: <i>None</i>
		Temperature measurements: - <i>Pt 100 and Thermocouple Type T.</i>
		Flow rate measurements: <i>Yes</i>
		Voltage stabilization: <i>No</i>
		Supply Power Monitoring: <i>Yes</i>
		GPS: <i>No</i>
		Remote Control of Operation: <i>Yes</i>
		Remote Data Collection: <i>Yes</i>
		Logger: <i>abmicro</i>

TRT EXPERIENCE

Years of operation: 1 year in Norway, 5 years in Sweden (Luleå University of Technology)

Number of performed measurements: 5 commercial in Norway

Typical borehole depths: 150-250 m

Applications: *BHE, energy piles, heat pipe BHE's, etc.*

Typical collector type: *1U, 2U*

Typical fluid type: *HX 24, HX 36*

Typical groundwater temperature: *6-9°C*

Geographical area: *Norway*

Analysis Method: *Line source*

