

Thermal Response Test Equipment Data

Fill-in Date: *MM-YYYY*

Country: Cyprus

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GENERAL TRT DATA

Type: <i>Heat injection</i>	No TRT units: 1	Size, weight: <i>20x 20x50, 25 kg</i>
Aim: <i>Research</i>		Pump: <i>Circulator type, 1kw</i>
Powered by: <i>Electricity</i>		Heater: <i>2 x 2.8 kW</i>
Built on/in: <i>portable</i>		HP/Cooler: <i>type and capacity (range)</i>
<p style="text-align: center;">Principle outline</p>		Temperature measurements: <i>- temperature (in/out)-0.5°C thermocouple</i>
		Flow rate measurements: <i>flow 0.1lt, hot water flow meter (mechanical)</i>
		Voltage stabilization: <i>No</i>
		Supply Power Monitoring: <i>Yes: 10 W</i>
		GPS: <i>Yes</i>
		Remote Control of Operation: <i>No</i>
		Remote Data Collection: <i>No</i>
		Logger: <i>Omega data acquisition module 55/65</i>

TRT EXPERIENCE

Years of operation: *5*

Number of performed measurements: *12 Research/commercial*

Typical borehole depths: *100 m*

Applications: *BHE*

Typical collector type: *1U, bentonitic clay*

Typical fluid type: *water*

Typical groundwater temperature: *18-23°C*

Geographical area: *South Cyprus*

Analysis Method: *Line source.*