

Thermal Response Test Equipment Data

Country: Germany

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General TRT data

Type: Heat injection	No TRTs: 1	Size, weight: Box 1: 1,2 x 0,8 x 0,6 m Box 2: 0,85 x 0,6x 0,6 m a total of 60 kg
Aim: commercial		Pump: Grundfos infinitely variable 0,2-1,5 l/s
Powered by: Electricity, 400 V, 16/32A		Heater: infinitely variable 1-12 kW
Built on/in: two portable boxes, generally on a trailer		HP/Cooler: none
<p style="text-align: center;"><u>Principle outline, at time not available</u></p>		Temperature measurements: 4 units PT100, Temperature profile measurements in BHE up to 200 m
		Flow rate measurements: magnetic flowmeter in each circle
		Voltage stabilization: Yes
		Electricity measurement: Yes
		GPS: No
		Remote Control: No
		Remote Data Collection: Yes
		Logger: Aquitronic MultiLog03

TRT Experience

Years of operation: since September 2009

Number of performed measurements: 3

Typical borehole depths: up to 200 m

Applications: until now BHE.

Typical collector type: BHE 32 x 2,9 mm und 40 x 3,7 mm

Typical fluid type: water, water/glycol

Typical groundwater temperature: 10-11°C

Geographical area: Germany, Austria, Switzerland, Italy

Analysis Method: Line source, online evaluation