

Thermal Response Test Equipment Data

Country: SWEDEN

Contact Person: Göran Hellström

Organisation/Company: Neoenergy Sweden AB

Address:
Smedjegatan 2C, 1 tr
SE-222 37 Lund

Phone: +46-708-988660

Email: neoenergy@telia.com

TRT PHOTO



General TRT data

Type: <i>Heat injection</i>	No TRTs: 2	Size, weight: 400+170+180 cm, 300 kg
Aim: <i>Commercial + Research/development</i>		Pump: <i>type, capacity (range)</i>
Powered by: <i>Electricity</i>		Heater: <i>Electr. Resist. 3/6/9 kW alt. 1,5/3 kW</i>
Built on/in: <i>Trailer</i>		HP/Cooler: -
<p style="text-align: center;">Principle outline</p>		Temperature measurements: <i>Thermocouples, 0.02 C</i>
		Flow rate measurements: <i>Mechanical</i>
		Voltage stabilization: <i>No</i>
		Electricity measurement: <i>Yes, 1 %</i>
		GPS: <i>Yes</i>
		Remote Control: <i>Yes</i>
		Remote Data Collection: <i>Yes</i>
		Logger: <i>Campbell</i>

TRT Experience

Years of operation: 12

Number of performed measurements: *ca 100 Commercial + Research/development*

Typical borehole depths: 30-300 m

Applications: *BHE, energy piles*

Typical collector type: *1U, 2U, coaxial pipe / groundwater, bentonite, thermal grout filling*

Typical fluid type: *ethanol/water, polypropylene glycol or water*

Typical groundwater temperature: 15-30 C

Geographical area: *Europe*

Analysis Method: *Numerical*