Thermal Response Test Equipment Data

Country: ITALY

Contact Person: SAVINO BASTA

Organisation/Company: GEOTERMICA SAVAL SRL

Address: Strada di Ca' Brusà, 43 – 37135 VERONA

Phone: 345 514 03 07

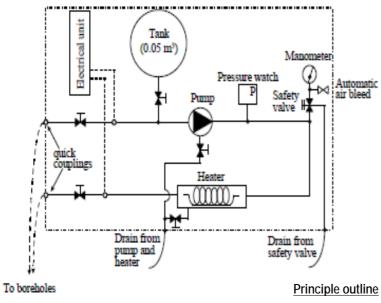
Email: info@geotermicasaval.it



Fill-in Date: 10-2010

## **GENERAL TRT DATA**

Type: Both Heat injection or heat extraction	No TRTs: 2	Size, weight: L250 W130 H130, kg100
Aim: Research, development, commercial		Pump: 600 – 2000 l/h
Powered by: Electricity		Heater: resistor 2 –12 kW
Built on/in: Trailer		HP/Cooler: optional
Tank (0.05 m³)		Temperature measurements: - thermocouple, $accuracy \pm 0.01$ °C
	Manometer	Flow rate measurements:



## Flow rate measurements:

- Elettronic sensor  $\pm 1,5\%$ 

Voltage stabilization: No

Supply Power Monitoring: Yes

GPS: Yes

Remote Control of Operation: No

Remote Data Collection: No

Logger: pc

## TRT EXPERIENCE

Years of operation: 3

Number of performed measurements: 60

Typical borehole depths: 30 – 150 m

Applications: BHE, energy piles, heat pipe BHE's

Typical collector type: 1U, 2U, coaxial pipe, heat pipes,

Typical fluid type: water

Typical groundwater temperature: 12-18°C Geographical area: North and Center Italy
Analysis Method: Numerical / Line source