

# Thermal Response Test Equipment Data

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Country: Spain

Contact Person: Álvaro Martín Arévalo

Organisation/Company: Blue Energy Intelligent Services

Address: Paseo Imperial 89, 1ºB 28005 Madrid  
Via de Francia S/N Nave 8D, 11011 Cadiz

Phone: 913 651 569

Email: amarevalo@bleninser.es



## GENERAL TRT DATA

Type: Heat injection	No TRTs: 01	Size, weight: Hydraulic Unit: 120x30x30 cm Data acquisition Unit: 55x60x25 cm (total: 20 kg)
Aim: Research/development/commercial		Pump: Water cooled, 0-1 l/s
Powered by: Electricity		Heater: 2 electric heaters (5500 W maximum each)
Built on/in: Hand Portable		HP/Cooler: -
		Temperature measurements: 2 temperature sensors in contact with the fluid. Sending analog data with accuracy of 3 decimals
		Flow rate measurements: Paddle wheel flow meter Sending analog data with accuracy of 3 decimals
		Voltage stabilization: No
		Supply Power Monitoring: Yes, Watts
		GPS: No
		Remote Control of Operation: Yes
	Remote Data Collection: Yes	
	Logger: Data acquisition unit and a computer	

## TRT EXPERIENCE

Years of operation: 01

Number of performed measurements: 12 Research/development/commercial

Typical borehole depths: 100 m

Applications: Soil thermal conductivity, deep earth temperature

Typical collector type: 1U, 2U

Typical fluid type: Water and Water glycol

Typical groundwater temperature: 16°C-19°C

Geographical area: Andalucía, Madrid

Analysis Method: Line source