

Thermal Response Test Equipment Data

Country: *Turkey*

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General TRT data

Type: <i>Heat injection</i>	No TRTs: <i>1</i>	Size, weight: <i>1.5 m x 2.7m x 1.6m, 470 kg</i>
Aim: <i>Research/development/commercial</i>		Pump: <i>1 kW</i>
Powered by: <i>Electricity</i>		Heater: <i>3-12 kW (4x3 kW)</i>
Built on/in: <i>Trailer</i>		HP/Cooler: <i>None</i>
<p style="text-align: center;">Principle outline</p>		Temperature measurements: <i>PT 100</i>
		Flow rate measurements:
		Voltage stabilization: <i>No</i>
		Electricity measurement: <i>Yes</i>
		GPS: <i>No</i>
		Remote Control: <i>No</i>
		Remote Data Collection: <i>Yes</i>
		Logger: <i>Campbell CR10X</i>

TRT Experience

Years of operation: *9*

Number of performed measurements: *21 measurements for Research/development/commercial*

Typical borehole depths: *80m – 150 m*

Applications: *BHEs*

Typical collector type: *1U and 2U, bentonite-cement-water mixture as grouting*

Typical fluid type: *water*

Typical groundwater temperature: *15 – 20 °C*

Geographical area: *Marmara region (İstanbul), Mediterranean region (Adana), Eastern Anatolia (Elazığ), Central Anatolia (Ankara), Black Sea region (Samsun), Aegean region (Muğla)*

Analysis Method: *Line source*