

# Thermal Response Test Equipment Data

Country: Germany

Contact Person: Enno Tulke

Organisation/Company: Edwärme-Messtechnik GmbH

Address: Konsul-Smidt-Strasse 8L  
28217 Bremen

Phone: +49-(0) 421-62040240

Email: info@erdwaerme-messtechnik.de



## General TRT data

Type: <i>Heat injection</i>	No TRTs: 2	Size, weight: 32cm x 60cm x 110cm, 60kg
Aim: <i>Development/commercial</i>		Pump: <i>EWM, 6..30 l/min</i>
Powered by: <i>Electricity</i>		Heater: <i>EWM, 3..13 KW</i>
Built on/in: <i>Container, portable</i>		HP/Cooler: - -
<p style="text-align: center;">Principle outline</p>		Temperature measurements: - 4, Pt500, 0,05 °C
		Flow rate measurements: - <i>impeller wheel, 1, EWM</i>
		Voltage stabilization: <i>No</i>
		Electricity measurement: <i>No</i>
		GPS: <i>No</i>
		Remote Control: <i>No</i>
		Remote Data Collection: <i>Yes</i>
Logger: <i>EWM</i>		

## TRT Experience

Years of operation: 2

Number of performed measurements: 70

Typical borehole depths: 30m up to 300m

Applications: *BHE, energy piles, heat pipe*

Typical collector type: *2U, 3U, coaxial pipe, heat pipes, etc. type of filling*

Typical fluid type: *Water, Brine (25%)*

Typical groundwater temperature: 11 - 13

Geographical area: *Germany*

Analysis Method: *Numerical / Line source / Automatic*