

CASE STUDY

TRANSIENT HOT-WIRE TECHNIQUE

FOR THE MEASUREMENT OF THE THERMAL CONDUCTIVITY OF FLUIDS

LOCATION

Institute of Thermodynamics of Technische Universität
Braunschweig

EQUIPMENT

- ❑ Transient Hot Wire Meter **THW-01LNG**
- ❑ **THW-01SpWe** Spot Welder
- ❑ High Pressure System **THW-01PV**

APPLICATIONS

- ❑ Liquids
- ❑ Gases
- ❑ Natural gas mixtures
- ❑ Nanofluids
- ❑ Oils
- ❑ Pharmaceutical fluids
- ❑ Beverages

SPECIFICATIONS

- ❑ Technique: Transient Hot-Wire
- ❑ Sample volume: 50 mL
- ❑ Working Range: 0.1 to 0.7 W/(m·K)
- ❑ Uncertainty: 1%
- ❑ Repeatability: 0,5%
- ❑ CE Mark: Complies with the EU directive
Standards RoHS compliant



SIMILAR MODELS

- ❑ GHFM-22 Guarded Heat Flow Meter



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