HZDR Innovation GmbH

Bautzner Landstraße 400 D-01328 Dresden



division multiphase measurement technology

Product Description

THERMO NEEDLE PROBE

Combined temperature and conductivity needle probes allow the local measurement of phase indicator and temperature for analysis of multiphase flows and detection of non-condensable gases. The thermo needle probes are characterized by a high measurement precision based on triaxial construction and a robust design. The sensors offer high temporal resolution for gas-liquid and liquid-liquid flows. Data analyses (void fraction and phase temperature calculation) with additional software VoidWizard.



Specification

- easy mounting by standard compression fittings
- sampling rate:
 - · conductivity with max. 10 kHz
 - temperature with max. 1 kHz
- tip diameter down to 150 µm (micro thermocouple)
- temperature:
 - up to 230 °C with PEEK isolators
 - up to 300 °C with ceramic isolators
- pressure up to 100 bar

Contact

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