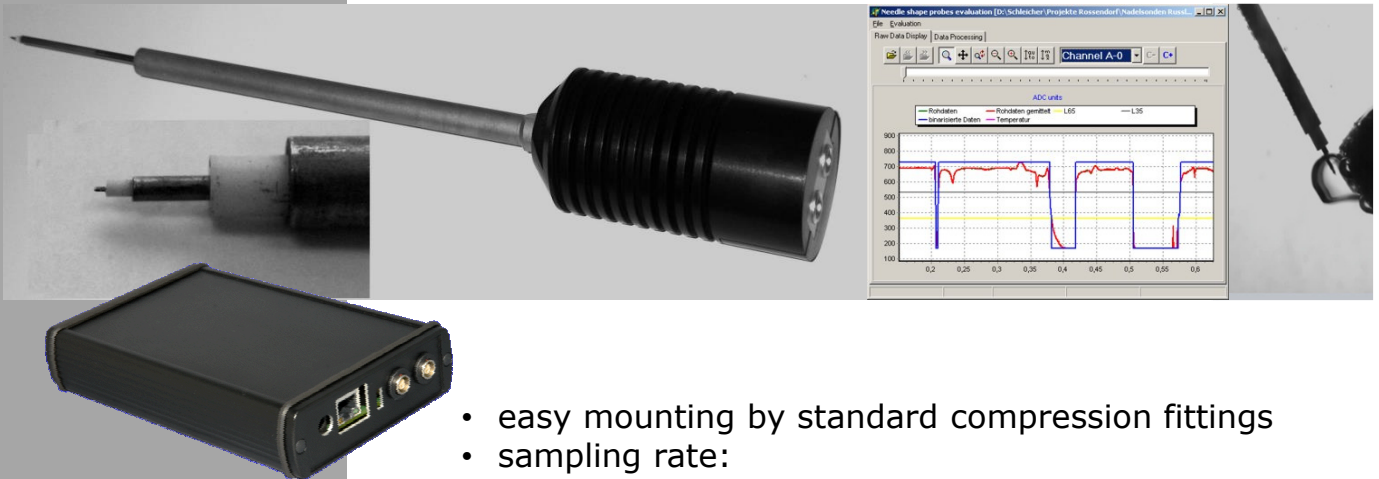


Product Description

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 $^{\circ}\text{C}$ with PEEK isolators
 - up to 300 $^{\circ}\text{C}$ with ceramic isolators
- pressure up to 100 bar

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