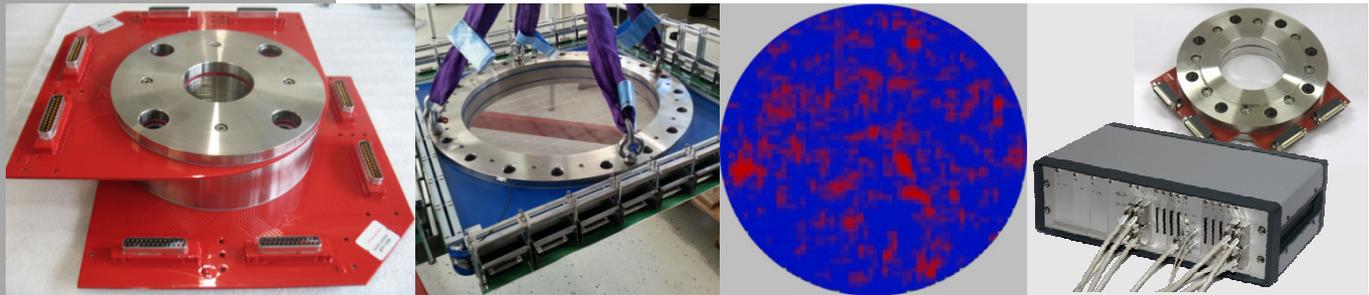


Product Description

WIRE MESH SENSOR

Wire mesh sensors are fast cross-sectional flow imaging sensors for gas-liquid and liquid-liquid two-phase flows. Electrical conductivity or capacitance is measured in the crossing points of a wire grid which is stretched in the flow cross-section within a flange. The electrical measurements give phase indicator images of the flow which can be processed by special analysis software.



Specification

- spatial resolution: typically 2..3 mm, (higher resolution or larger sensors possible)
- temporal resolution: up to 10.000 frames per second
- electrode wires: stainless steel, minimum diameter 50 μm , typical 250 μm
- operating range:
 - low cost version: up to 20 bar, 120 $^{\circ}\text{C}$
 - medium grade version: up to 70 bar, 240 $^{\circ}\text{C}$
 - high grade version: up to 100 bar, 300 $^{\circ}\text{C}$ (pressure test certificate on demand)
- flange materials: stainless steel, PMMA, PVC
- data recording with special electronics

Contact

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