HZDR Innovation GmbH

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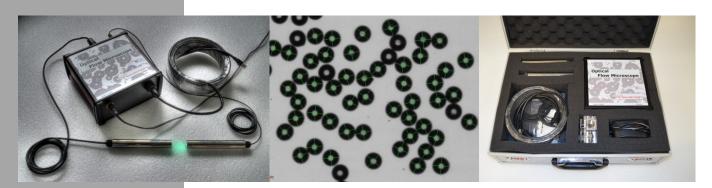


division multiphase measurement technology

## Product Description

## **OPTICAL FLOW MICROSCOPE**

The optical flow microscope can be used in fast moving flows to observe particles, bubbles, cells, emulsions, foams, etc.. The sensor consists of an illumination device and a microscope camera device being positioned opposite to each other into the flow vessel (e.g. a pipe). The sensor is able to acquire a series of several hundred images within a given time regime.



## **Specification**

Operating temperature: 0...45 °C\*

• Max. pressure load: 4 bar\*

• Measurement range (object size): 6 μm to 3 mm

• Max. flow rate: 3.25 m/s

Frame rate: 120 fps

Resolution: 656 x 494 Pixel / b/w

• Supply voltage: 9..36 V DC

· Communication: Ethernet network

• Measuring span: 5..10 mm (distance between camera and illumination)

(\*customization for higher conditions possible)

Contact

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