

# MicroBubbleScope

The MicroBubbleScope is a dedicated Sc-Probe with 220 mm probe wetted length, specifically designed for gas-liquid applications in laboratory or production environments.



The protective tube with the endoscopic optics inside can be inserted into the process and particle information can be analyzed via image analysis. There are numerous process connectors available, depending on the installation point.



### Complete your system:

- Reflectors available
- Compression fittings
- PCS control via Modbus TCP/IP

Parameter	Specification
Particle Size Range	9 - 1,100µm
Field of View (diag.)	2,600 µm
<b>Dimensions &amp; Weights</b>	
Housing	Length: 230 mm Diameter: 60 mm
Protection Tube	Probe wetted length: 220 mm Probe wetted tube diameter 12 mm
Weight	3.2 kg
<b>Materials</b>	
Housing	1.4404 (316L)
Protection tube	1.4404 (316L), 0.6 µm surface roughness
Probe Tip Window	Sapphire
Solder	Au/Sn 80/20
Cable	2.5 m hygienic conduit with 1.4404 fittings, color grey, PVC protection hose, PSRSC spiral reinforced, smooth inside and outside, for food zone and non-contact application areas
<b>Technical Data</b>	
Permissible Process Temperature	-10 - 130°C
Permissible Ambient Temperature	0 - 40°C
Permissible Process Pressure	0 - 10 bar (higher pressure ratings on request)
Camera	5.1 MP Machine Vision Camera with GigE Interface, 15 fps
Power Supply	141 VA (50-60 Hz)
Cable	Standard length: 2.5 m Diameter: 27 mm Bending Radius: 20 cm
<b>Approvals</b>	
Protection	IP 65
Compliance	RoHS conform according to 2011/65/EU