

# MM-2

The MM-2 Probe is a high-resolution monocular microscope for various applications in laboratory or production environments. The system can be used inline or at-line and is operated in transmission lighting mode.



With its measurement range between 0.5 to 75  $\mu\text{m}$  and the transmission lighting, the MM-2 system is most suitable for challenging measurement tasks such as biological samples, highly concentrated slurries, viscous emulsions, and many more. For the measurements, two different flow cells (MFC or MiFC) are available. The measurement takes place in an electronically adjustable gap.



### Complete your system:

- Different flow cells available: MFC; MiFC
- Mounting Rack

Parameter	Specification
Particle Size Range	0.5 – 75 $\mu\text{m}$
Field of View (diag.)	170 $\mu\text{m}$
<b>Dimensions &amp; Weights</b>	
When fully assembled	Length: 734 mm Diameter: 76 mm
Weight (w/o Rack)	8 kg
<b>Materials</b>	
Housing	1.4404 (316L)
Protection Tube	1.4404 (316L)
Probe Window	Quartz +Cyanoacrylate adhesive
Solder (light rod)	Au/Sn 80/20
<b>Technical Data</b>	
Permissible Process Temperature	0 – 200°C (above 80°C active cooling mandatory)
Permissible Ambient Temperature	0 – 40°C
Permissible Process Pressure	0.5 – 3 bar
Flow Cell Volume	MFC: ca. 320 mL MiFC: ca. 2-3 mL
Camera	5.1 MP Machine Vision Camera with GigE Interface, 15 fps (grey), 7 fps (color)
Power Supply	141 VA (50-60 Hz)
Cooling Medium Connectors	Festo NPCK-C-D-G18-K8 for 6x8 mm tubing
<b>Approvals</b>	
Protection	IP 65
Compliance	RoHS conform according to 2011/65/EU