

MM-2

The MM-2 Probe is a high-resolution monocular microscope for various applications in laboratory, pilot scale 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 μm 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 (MaFC or MiFC) are available. The measurement takes place in an electronically adjustable gap.



Complete your system:

- Different flow cells available: MaFC, MiFC
- Rack for benchtop use
- Light filter to avoid overexposure
- Lab kit with syringes, tubing, ...

Parameter	Specification
Particle Size Range	0.5 - 75 μm
Field of View (diag.)	170 μm
Gap size (mm)	0.1 - 4 mm
Dimensions & Weights	
When fully assembled	Length: 734 mm Diameter housing: 76 mm
Weight (w/o Rack)	8 kg
Materials	
Housing	1.4404 (316L)
Protection Tube	1.4404 (316L)
Probe Window	Quartz + Cyanoacrylate adhesive
Solder (light rod)	Au/Sn 80/20
Cable	PMAFLEX CYL corrugated conduit, specially formulated polyamide 6, 21.1 mm OD, black
Technical Data	
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	MaFC: ca. 280 mL MiFC: ca. 0.5 - 0.9 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
Approvals	
Protection	IP 65
Compliance	RoHS conform according to 2011/65/EU