

VI Probe - Kr

The Kr Probe is a macroscopic wide-angled inline endoscope with a large field of view for various industrial applications in laboratory or production environments.



This probe can be directly inserted into a running process to retrieve particle size and shape information via image analysis. The probe can be equipped with a cooling tube to increase the process temperature range. There are also numerous process connectors available, such as flanges and compression fittings.



Complete your system:

- Reflectors for transfection
- Cooling tube
- ATEX ex-p version available

Parameter	Specification
Particle Size Range	30 – 7,700 µm
Field of View (diag.)	18,000 µm
Dimensions & Weights	
Housing	Length: 230 mm Diameter: 60 mm
Protection Tube	Wetted length: 320 mm* Wetted tube diameter: 20 mm
Weight	4.5 kg
Materials	
Housing	1.4404 (316L)
Protection Tube	1.4404 (316L)**
Probe Tip Window	Sapphire
Solder	Au/Sn 80/20
Cable	Adaptaflex cable protection; type SPLHC; flexible; liquid resistant; IP67; black
Technical Data	
Permissible Process Temperature	-10 – 130°C (temperatures up to 450°C achievable with cooling tube accessory)
Permissible Ambient Temperature	0 – 40°C
Permissible Process Pressure	0.01 – 10 bar (higher pressure ratings up to 250 bar 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
Approvals	
Protection	IP 65
Compliance	RoHS conform according to 2011/65/EU

* Longer probes available on request.

** The following materials are also available on request: 1.4571 (316Ti), 2.4602 (C22 Hastelloy), 3.7165 (Titanium)

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Make every detail count