

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, pilot scale 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 has a large opening angle and a relatively large depth of field.

It 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. This probe is not compatible with the Knick Ceramat WA155 retractable fitting.



Complete your system:

- Reflectors for transfection
- Purging & cooling tube
- ATEX ex-p version available



Parameter	Specification
Particle Size Range	30 – 7,700 µm
Field of View (diag.)	10,000 µm
Dimensions & Weights	
Housing	Length: 240 mm Diameter: 72 mm
Protection Tube	Immersible length: 320 mm* 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, thermo plastic rubber covered galvanised steel, 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 320 bar on request)
Camera	5.1 MP Machine Vision Camera with GigE Interface, 15 fps, color camera optional
Power Supply	141 VA (50-60 Hz)
Cable	Standard length: 2.5 m Diameter: 27 mm Bending Radius: 190 mm
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