

# ChocoScope

The ChocoScope is a specialized probe designed for confectionery, cocoa and chocolate applications with a 220mm wetted length and easy-to-clean protection tube. Suitable for laboratory and production environments.



The protection tube with the endoscopic optics inside can be inserted directly into the process. Particle size and shape information can be extracted via image analysis. There are numerous process connectors available, depending on the installation point.



### Complete your system:

- Compression fittings
- PCS control via Modbus TCP/IP

Parameter	Specification
Particle Size Range	2 - 320 µm
Field of View (diag.)	750 µm
<b>Dimensions &amp; Weights</b>	
Housing	Length: 230 mm Diameter: 60 mm
Protection Tube	Wetted length: 220 mm 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 blue - AIRflex-GRS 0220.904.021 3/4" 21.0 x 27.0, for food zone & 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
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