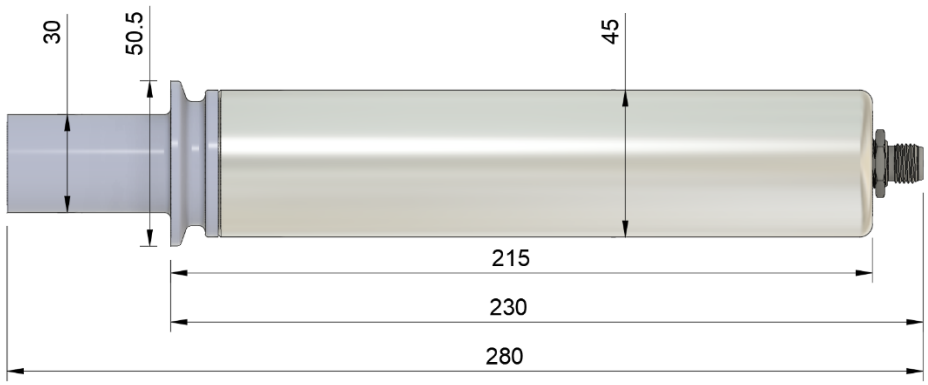
Collo Inline Analyzer Technical Specifications

Product Overview and Dimensions



Technical Information	
Materials	
Wetted parts	
Analyzer head and connection	Natural PEEK, Ra < 0.8 (Food grade approved)
Sensor lens	Sapphire
Sealings	FFKM (other options available)
Analyzer Materials	
Analyzer Body	Stainless steel (1.4404 AISI 316L)
Operating Conditions	
Response time	1 s
Measurement principle	Dielectric
Environmental temperature	0 – 50 °C
Process Conditions	Operating Temperature: 0 - 65°C Cleaning Temperature: Up to 95°C, Max 30 min Max Pressure: 6 bars
Dimensions and Connections	
Process connection	Tri-Clamp 1.5”
Electrical connection	M12 (sensor) - RJ45 (terminal)
Connectivity	Device is connected to Edge Computing Unit (ECU)
Cable length (options)	5 m / 10 m / 15 m
Weight	Max 900 g
Approvals	
	Regulation (EC) No 1935/2004 Commission Regulation (EU) No 10/2011 Finnish Decree (KTM) 268/1992

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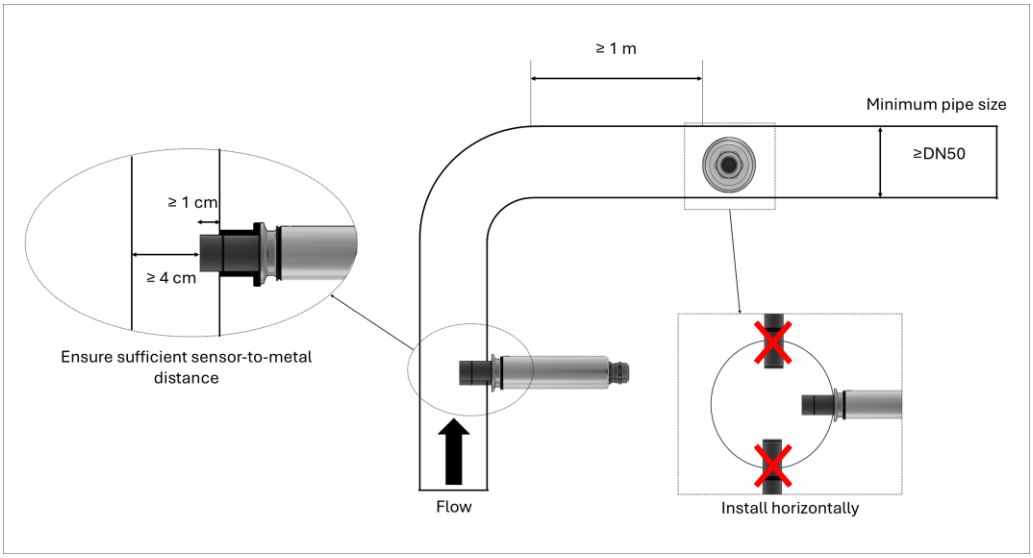
Cleaning/Maintenance	Transport/Storage
➢ Use soft cloth for cleaning ➢ Do not use aggressive detergents for cleaning	➢ No outdoor storage ➢ Storage temperature 0...40 °C ➢ Avoiding mechanical shock and vibration ➢ Use suitable transport packaging

Mechanical Installation Notes



- Use minimum DN50 pipe size.
- Install horizontally – never on top or bottom of the pipe and never at an angle or vertical.
- Install in upward flow direction to avoid air pockets and ensure proper sensor immersion.
- Maintain at least 1 m distance after elbows, valves, pumps, and other flow disturbances to minimize turbulence.
- Ensure at least 1 m clearance to other equipment to reduce interference.
- Keep minimum 4 cm clearance in front of the sensor and 1 cm behind to any metal wall or structure.
- Mount the sensor perpendicular to the pipe wall.
- Ensure the sensor tip remains fully always submerged in the process medium.
- Avoid installing the sensor at the highest point of the piping where gas or air could accumulate.
- Choose correct cable length to avoid loops or coiling that could interfere with measurements or cause mechanical stress.
- Avoid installation on vibrating structures or near vibration sources (e.g., pumps, agitators).
- If vibration is unavoidable, use flexible couplings or vibration-damping mounts to isolate the sensor.
- Position the sensor in a location that allows for easy removal and maintenance.
- Do not install near welding operations – install the sensor only after welding is complete to avoid any damage.