

TECHNICAL DATA

Sensor

Voltage	12 V DC powered by transmitter
Power consumption	Approx. 1.5 W
Housing material	Stainless steel 1.4571
Protection type	IP65
Using in Ex-zones	Outside pipe: Cat. 3D Inside pipe: Cat. 1/3D (only with process adapter)
Process temperature	-20 ... +80 °C -20 ... +220 °C (with process adapter) Max. 1000 °C (with ceramic flange)
Ambient temperature	-20 ... +60 °C
Working pressure	Max. 20 bar (with process adapter)
Detection range	0 ... 2 m (dependent on application)
Required material speed for detection	Min. 0.1 m/s
Measuring frequency	K-Band 24.125 GHz; ±100 MHz
Transmitting power	Max. 5 mW
Dimension FlowJam S	Housing: L 107 mm / Ø 52 mm Thread: L 30 mm / Ø G 1½"
Dimension FlowJam S Ex	Housing: L 155 mm / Ø 60 mm Thread: L 30 mm / Ø G 1½"
Cable gland	M16 (Ø 5-10 mm)
Weight FlowJam S	Approx. 560 g
Weight FlowJam S Ex	Approx. 880 g

Transmitter (DIN Rail)

Power supply	24 V DC ± 10 %
Power consumption	Approx. 3.5 W
Relay contact	Max. rated load: 250 V AC Max. peak current: 6 A Max. rated load 230 V AC: 250 VA Max. breaking capacity DCI: 3/110/220 V: 3/0.35/0.2 A Min. switching load: 500 mW (10 V / 5 mA)
Fall-delay time	250 ms ... 15 s (continuously adjustable)
Analog output (optional)	1 x 4 ... 20 mA (0 ... 20 mA), load < 500 Ω (Active)
Weight	Approx. 172 g

	Pressure adapter	Temperature adapter	Food adapter	High temperature adapter
Material	Stainless steel 1.4571 POM diaphragm	Stainless steel 1.4571 Tecapeek diaphragm	Stainless steel 1.4571 Tecapeek GF30 diaphragm	Steel Ceramic diaphragm
Temperature	-20 ... +80 °C	Max. +220 °C	Max. +220 °C	Max. 1000 °C
Pressure	Max. 20 bar	Max. 20 bar	Max. 20 bar	Max. 40 bar
Thread	G 1½" on both sides	G 1½" on both sides	G 1½" on both sides	G 1½" on sensor side
Wrench width	55 mm	55 mm	55 mm	17 mm