E-Spy

Measurement Objects	Solid particles in gas flow
Particle Size	0.3µm or larger
Measurement Range	From 0.1mg/m³
Measurement Principle	Inductive Electrification
Protection Category	IP65
Probe Length (total/measuring)	500mm/440mm, 1000mm/940mm, 1500 mm/1440mm 19.7" / 17.3", 39.4" / 37.0", 59.1" / 56.7"
Power Supply	115 VAC, 230 VAC or 24 VDC
Power Consumption	DC model Max 3 W, AC model Max 8 W
Wiring Connections - Power Supply	DIN PG11 cable gland
Wiring Connections - Output Signals	DIN PG11 cable gland
Process connection	Flange (DN80), other flange types on request
Output Signals	- Isolated 4...20 mA - Two SPDT relays: 5 A, 24 V AC/DC - Serial communication, (RS-485)
Communication Type	Modbus RTU
Range Set Up	- Normal measuring range: automatic, based on average measured dust flow during setup procedure - Extended measuring range: User selectable
Relay Alarm Settings	- Automatic, set at factory: Based on average measured dust flow - User selectable ranges
Offset trim	Automatic drift compensation
Damping Time	10-300 s

Process Conditions

Temperature	Max 250°C, Max >250°C on request ı Max 482 °F, Max >482 °F on request
Pressure	Max 200kPa, Max 600kPa (optional) ı Max 43.5 PSI, Max 87.0 PSI (optional)
Gas Velocity	Min 4 m/s ı Min 13.1 ft/s
Humidity	Max 95% RH (non-condensing)

Ambient Conditions

Temperature	-20....+45°C and 60°C for 24 VDC ı -4 ... +113 °F and 140 °F for 24 VDC
Humidity	Max 95% RH (non-condensing)
Vibration	Max 5m/s² ı Max 16,4 ft/s2

Materials

Probe (wetted part)	Stainless steel (AISI 316L)
Probe Coating (wetted part)	PTFE Teflon (optional)
Process Connection (wetted part)	Stainless steel (AISI 316L)
Faraday Cage (wetted part)	Stainless steel (AISI 316L)

Probe Insulation (wetted part)	PEEK
Probe Sealing (wetted part)	FPM Viton
Enclosure	Aluminum alloy
Weight	6.8kg ı 15.0 lb