

SNIFTER A2

Measurement Objects	Solid particles in a gas flow
Particle Size	0.3 µm or larger
Measurement Range	From 0.1 mg/m ³
Measurement Principle	Inductive Electrification
Protection Category	IP65
Sensor Length (total/measuring)	250 mm /185 mm 9.8" / 7.3"
Power Supply	12 - 24 VDC
Power Consumption	3 W
Cable Connection	2 meter cable, 10 wires 6.5 ft cable, 10 wires
Process Connection	- NPT 1/2 " male thread - NPT 1/2 " female thread welding socket (optional)
Output Signal	- Two output signals (100 - 280 mA) depending on operation temperature
Communication Interface	- Serial communication RS-485 - USB communication - Wireless communication (optional)
Communication Protocol	- Modbus RTU, (RS-485) - SNT network, (USB, RF, RS-485)
Alarm Settings	- Automatic Alert: 5 x normal dust level Alarm: 20 x normal dust level - User selectable ranges
Signal Damping time	- Fixed at factory: 100 s - Adjustable from 0 - 6000 s

PROCESS CONDITIONS

Temperature	Max 250 °C Max 482 °F
Pressure	Max 200 kPa
Gas Velocity	Min 3 m/s Min 9.8 ft/s
Humidity	Max 95% RH (non-condensing)

AMBIENT CONDITIONS

Temperature	- Starting -20 to +40°C -4 to 104 °F - Running -40 to +60°C -40 to 140 °F
Humidity	Max 95 % RH (non-condensing)

MATERIALS AND WEIGHT

Probe (wetted part)	Stainless steel (AISI 316L)
Process Connection (wetted part)	Stainless steel (AISI 316L)
Enclosure	Aluminum
Probe Insulation (wetted part)	PEEK
Weight	0.7 kg 1.5 lbs