

SNIFTER A2

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| 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

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|--------------|-----------------------------|
| 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

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|-------------|--|
| 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

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|----------------------------------|-----------------------------|
| 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 |