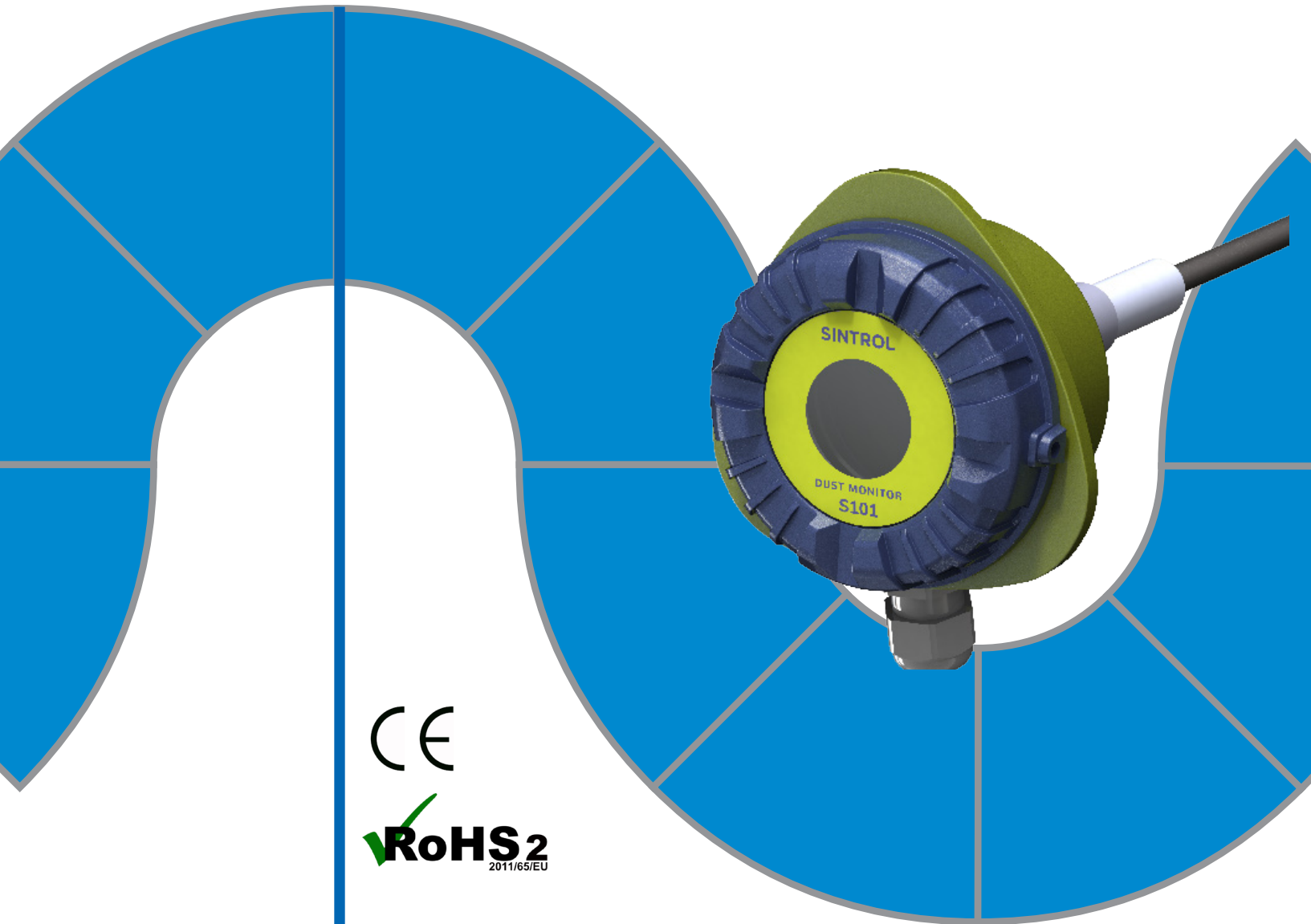
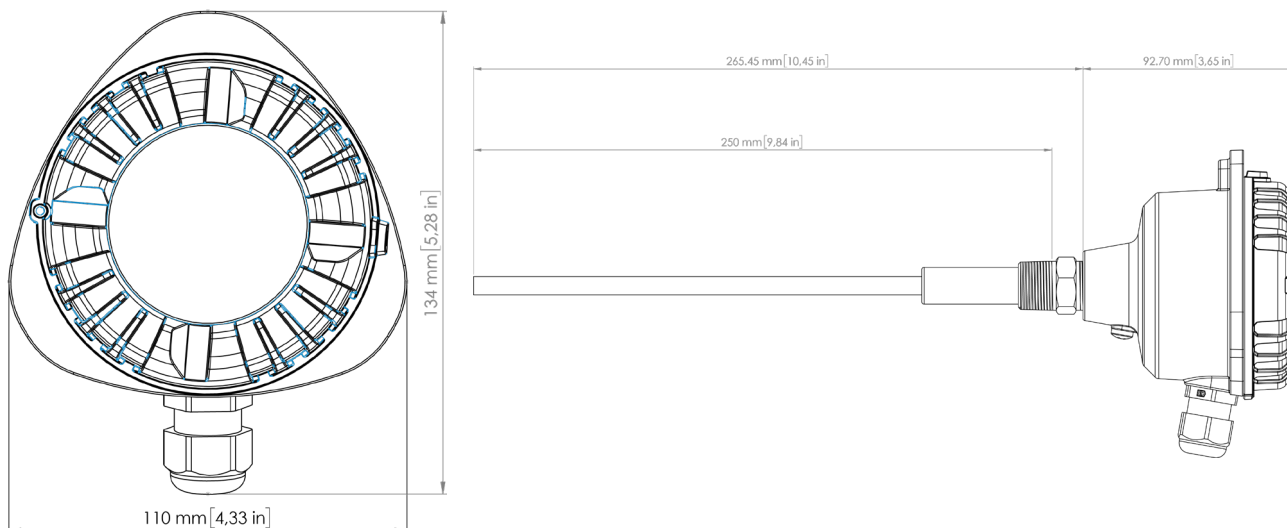


S101

Dust Detector for Filter Monitoring



- **High performance dust detector**
 - Detects any particulates in the air-flow
 - Very fast response to any dust leaks
- **Rugged, IP66 rated design for harsh industrial conditions**
- **User friendly, straightforward interface**
 - Visible Green, Yellow and Red LED to indicate dust levels
- **Easy start-up and commissioning**
- **Two independent solid-state relay outputs**



SIN101/16102020

Product Name	S101
Measured objects	Solid particles in gas flow
Measurement principle	Inductive Electrification
Measurement range	Detection limit 0,01 mg/m ³ Max. range up to several g/m ³ depending on operating conditions
Ingress protection	IP66
Power supply	24 V DC ±10 %
Power consumption	1 W
Output signals	2 × Independent solid-state relays, max. 30 V DC / 200 mA
Communication interface	RS-485
Communication protocol	<ul style="list-style-type: none"> Modbus RTU Sintrol network
Physical characteristics	
Enclosure	Aluminium
Probe length	250 mm. (9,84 in), can be shortened by the user
Wetted parts	<ul style="list-style-type: none"> Probe: Stainless steel (316L) Insulation: Polyether ether ketone (PEEK)
Weight	0,7 kg (1.54 lb)
Ambient conditions	
Temperature	-40 ... 60 °C (-40 ... 140 °F)
Humidity	Max. 90 % relative humidity (non-condensing)
Process conditions	
Temperature	Max. 250 °C (482 °F)
Pressure	Max. 200 kPa (29 psi)
Flow speed	Min. 3 m/s (9.84 ft/s)

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