



IEC 60079-31:2013 Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t" Edition:2

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

GB/EXV/ExTR21.0105/00

Quality Assessment Report:

FI/EESF/QAR19.0013/01



IECEx Certificate of Conformity

Certificate No .:

IECEx EXV 21.0083X

2021-12-17

Date of issue:

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Issue No: 0

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Dust Concentration Monitors are intended for use outdoor or indoor primarily in non-condensing conditions inside a duct or pipe. It is intended for application where any disruption in normal operation may result in a variance in particle concentration in the process such as filter leak detection and process measurements.

The devices measure total suspended particles in a conductive duct or pipe, based on a signal generated from moving particles.

All models use identical hardware. Models S203 EX, S304 EX, and S305QAL EX have 4-20mA output active. There are no other differences between models.

Dust Concentration Monitors

S200 Series: Models S201 EX and S203 EX;

S300 Series: Models S303 EX, S304 EX and S305QAL EX

Their electrical ratings are

Power: 80-240 Vac, 50/60 Hz, 10 W; 24 Vdc, 10 W

Relay contacts: 3 A @ 240 Vac; 3 A @ 30 Vdc

SPECIFIC CONDITIONS OF USE: YES as shown below:

- The fixed installation shall minimize the risk from electrostatic discharge. ٠
- The IS sensor rod does not pass a 500Vrms dielectric strength test and is considered connected to earth.
- The installation location shall be considered a low risk of mechanical danger.
- The maximum rated process temperature is 200°C.

Annex:

R2532_B_1 FO-CB-34 - IECEx Certificate Annex.pdf

Annex to: IECEx EXV 21.0083X Issue 0



Description Continued:

N/A

Routine Tests: 1. None.

Manufacturer's documents:				
Title:	Drawing No.:	Rev	Sheets	Date:
User Manual	S300 EX Series	2.8	1 to 48	24th Sept.
				2019
User Manual	S200 EX Series	1.0	1 to 39	24th Sept.
				2019
S200-S300 user manual	User manual supplement Use	2	1 to 3	01/11/2021
supplement	in hazardous locations			
Parts List	Parts_list_sintrol_S300_c	V1.08	1 to 2	22.12.2019
Gerber Files	Sintrol_dust_S300_c	v. <mark>1</mark> .09	1 to 14	05.01.2020
Gerber Files	Sintrol_dust_S300	V1.08	1 to 11	22 <mark>.12</mark> .2019
DUST_ <mark>S300_</mark> C	20200626_1	1.09	1 to 7	2 <mark>6.6.2</mark> 020
Cover Machining	S300+_002	0.3	1 to 1	-
En <mark>closure Base</mark> Machining	S300+_001	0.6	1 to 1	23.12.2019
S300-S200 parts and materials	S300-S200 parts and	-	1 to 1	-
	materials			
Label	Sintrol S200 / S300 Series	-	1 to 1	16.12.2021
	NA HazLoc / ATEX / IECEx			
	product label			