



**Equipment or Protective Systems
Intended for use in Potentially Explosive Atmospheres
Directive 2014/34/EU**

Certificate Number:

SP17ATEX3654X


Certificate SP17ATEX3654X of 22.09.2017 has been extended to apply also for Air sensor type CCS*: CCS9.4-25 Ex, CCS15.75-25 Ex, CCS15.75-50 Ex, CCS22.1-50 Ex, CCS34.8-50 Ex, CCS47.5-64 Ex and CCS60.2-77 Ex.

The specifications below apply for the Air sensors of type SAC*, FCS* and CCS*, and replaces corresponding specifications according to the certificate. In other respects, the specifications stated in the certificate apply.

The differences between type CCS* and the previously certified Air sensors types SAC* and FCS*, concern the position of the encapsulated electronics on the pipe of the sensor and the cable with connector for external connection.

The Air sensor type CCS* has a permanently attached 0,5 m long cable with four conductors and a common screen. A four-pole connector is attached to the cable. The screen of this cable is connected to the steel enclosure of the Air sensor and to the steel nut of the connector. An associated cable with maximum length 40 m is intended to be connected to the permanently attached cable of the Air sensor type CCS*. The screen of this associated cable is isolated from the steel nut of the connector on the cable.

For Air sensors types SAC* and FCS*, only the instructions for safe use and drawing for marking label have been changed.

Code and product:  **II 1/2G Ex ib IIB T4 Ga/Gb**, applies for all Air sensor types:
SAC10-25 Ex, SAC16-25 Ex, SAC16-50 Ex, SAC22-50 Ex, SAC35-50 Ex, SAC46-64 Ex, SAC60-77 Ex, FCS10-25 Ex, FCS16-25 Ex, FCS16-50 Ex, FCS22-50 Ex, FCS35-50 Ex, FCS46-64 Ex CCS 9.4-25 Ex, CCS 15.75-25 Ex, CCS 15.75-50 Ex, CCS 22.1-50 Ex, CCS34.8-50 Ex, CCS47.5-64 Ex and CCS60.2-77 Ex.

Manufacturer: AQ M-Tech AB

RISE, Notified Body number 0402, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and the Council, dated 26 February 2014, certifies that the product, as modified by this supplement, has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The Council Directive 2014/34/EU is implemented in Swedish Law by the national regulation ELSÄK-FS 2016:2 and AFS 2016:4.

Report No.
8P07192:A

Essential health and safety requirements

Compliance with the Essential Health and Safety Requirements is not affected by this variation.

Supplement No. 1 to Certificate No. SP17ATEX3654X | 2018-11-09

RISE Research Institutes of Sweden AB | Certification
Box 857, SE-501 15 Borås, Sweden
Phone: +46 10-516 50 00
certifiering@ri.se | www.ri.se



8P07192



Drawings and documents

Below is a complete list of documents valid for Air sensors type FCS*, SAC* and CCS*.

Description	Number	Revision	Date	Pages
Specific documents for Air Sensor type SAC*				
Komponentförteckning	Airsensor SAC Ex	D	17-02-01	1
SAC sammanställningsritning	SACEX-3550	G	18-11-01	3
Gjutritning SAC Ex	SACEX-08221	B	17-02-01	1
Kopplingschema SAC Ex	Schema 1 SAC Ex	C	17-02-02	1
Extern kabel	KBL-014-A	D	17-02-02	1
Luftsensor 60,3 mm	SAC-6077	C	17-01-23	1
Specific documents for Air Sensor type FCS*				
Komponentförteckning	Airsensor FCS Ex	Ed. 2	17-03-01	1
ATEX sammanställning FCS	FCSEX-3550-10	1	17-03-22	3
Märkskylt ATEX	FCSEX-2565-25	Ed. 5	18-11-01	2
FCS EX Kopplingschema	FCEx-kopplingschema	D	17-08-08	1
Specific documents for Air Sensors type CCS*				
CCS Ex Sammanställning	CCEX-3550	A	18-10-25	3
Gjutritning CCS Ex	CCEX-18926	A	18-10-25	1
Luftsensor 9,4 mm ASME ½ inch	CCS-9425	A	17-07-07	1
Luftsensor 15,75 mm ASME ¾ inch	CCS-157525	A	18-05-29	1
Luftsensor 15,75 mm TC50 ASME ¾ inch	CCS-157550	A	18-09-26	1
Luftsensor CCS 22 mm ASME 1 inch	CCS-2250	C	17-07-07	1
Luftsensor CCS 35 mm ASME 1 ½ inch	CCS-3550	B	17-07-07	1
Luftsensor 47,5 mm ASME 2 inch	CCS-4764	A	18-02-07	1
Luftsensor 60,2 mm ASME 2 ½ inch	CCS-6077	A	18-09-28	1
Kopplingschema CCX Ex	Schema 1 CCS Ex	A	18-10-23	1
Extern kabel CCS Ex	EKC-18101	A	18-10-22	1
Documents common for Air Sensor type FCS* and SAC				
Luftsensor 10 mm	FCS-1025	D	17-01-23	1
Luftsensor 16 mm	FCS-1625	B	17-01-23	1
Luftsensor 16 mm TC-50	FCS-1650	B	17-01-23	1
Luftsensor 22 mm	FCS-2250	B	17-01-23	1
Luftsensor 35 mm	FCS-3550	B	17-01-23	1
Luftsensor 46 mm	FCS-4664	B	17-01-26	1
Documents common for Air Sensor type SAC* and CCS*				
Rörhylsa	RSC-09064	B	17-01-23	1
Documents common for Air Sensors type FCS*, SAC* and CCS*				
Rörhylsa till 10&10	RFCS-1016	B	17-01-23	1
Rörhylsa till 16/50, 22/50&35/50	RFCS-1635	B	17-01-23	1
Rörhylsa till 46	RFCS-4664	B	17-01-26	1
Air Sensor SAC Ex FCS Ex CCS Ex Manual		Ver. 2.3	Sep. 2018	15

1) Added or revised drawings and documents related to this supplement

2) Comments are added by RISE which shall be considered

9th November 2018

RISE Research Institutes of Sweden AB
Certification - Notified Body No. 0402

A handwritten signature in blue ink, appearing to read 'Dag Sjöholm'.

Date & Time: 2018-11-12 09:31:56 +01:00

Dag Sjöholm
Certification Manager

Peter Bremer
Certification Officer