IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.:	IECEx FTZU 13.0018X	Issue No: 1	Certificate history:
			Issue No. 1 (2015-03-20)
Status:	**Current**	Page 1 of 4	Issue No. 0 (2013-09-13)
Date of Issue:	**2015-03-20**		
Applicant:	**MSA CHINA Safety Equipment Co.,Ltd** No.8 Rui En Lane, Xingpu Road Suzhou Industrial Park, Jiangsu **China**		
Electrical Apparatus:	**Altair Pump Probe**		
Optional accessory:			
Type of Protection:	**Intrinsic safety**		
Marking:	Ex ia IIC T4 Gb		

Approved for issue on behalf of the IECEx Certification Body: Dipl. Ing. Jan Just

Position: Vice Head of Certification Body

Signature:
(for printed version)

Date:

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the Official IECEx Website.

Certificate issued by:

Fyzikalne technicky zkusebni ustav
(Physical -Technical Testing Institute)
Pikartska 7
71607 Ostrava - Radvanice
Czech Republic

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Manufacturer:	**MSA CHINA Safety Equipment Co.,Ltd** No.8 Rui En Lane, Xingpu Road Suzhou Industrial Park, Jiangsu **China**	
Additional Manufacturing location(s):		

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2011 Edition:6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-11 : 2011 Edition:6.0	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"

*This Certificate **does not** indicate compliance with electrical 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:

CZ/FTZU/ExTR13.0018/00 CZ/FTZU/ExTR13.0018/01

Quality Assessment Report:

DE/BVS/QAR10.0012/03

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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The equipment intrinsically safe Altair Pump Probe is a hand held portable gas sampling pump and has audible and visual alarms, which indicate block flow, low battery power and charge status. The equipment is consists of one PCB with electronic, one pump with drive and one cell inside of a plastic enclosure and a connected tubing and wand. The power source is a single, non-user replaceable 3.7 V Lithium Ion cell. The equipment has only two external contacts for battery recharging in a non-hazardous location. It is intended to use in conjunction via tubing and wand with other portable gas detection equipment.

Parameters:
Ambient temperature: -20°C ≤ Ta ≤ + 50°C
Charging parameters: Um = 6.7 V

CONDITIONS OF CERTIFICATION: YES as shown below:

The equipment shall be charged only in non-hazardous location by manufacturer's chargers only. The charging voltage shall not exceed 6.7 V.

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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Issue 1:

The product was mechanically modified and documentation has been updated and corrected.