

The International Convention
for the **Safety of Life at Sea**

SOLAS 条約の改正

**ガス検知器と
船上校正器具の調達は、
当社にお問い合わせ
ください!**



船上での

**ガス検知器とガスボトル等の校正手段の
備えつけが必要です。**

適用: 2016年7月1日以降



特 徴

- ≫ ガスボトル供給:MSA世界**32ヶ国**子会社
- ≫ 格安モデル:校正ボトル込格安セット価格
- ≫ 1年毎校正:**陸揚げ校正不用**、校正済新品ガス検知器の格安ご提供
- ≫ 耐衝撃性ラバーハウジング:落下テスト**6M**(MSA社内テスト)
- ≫ 軽量コンパクトガス検知器(**ALTAIR4XタイプCSS**):222g

お問合せ先

コスモシップサービス株式会社

URL <http://www.cosmo-ss.net>

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支店長 鈴木 suzuki@cosmo-ss.net

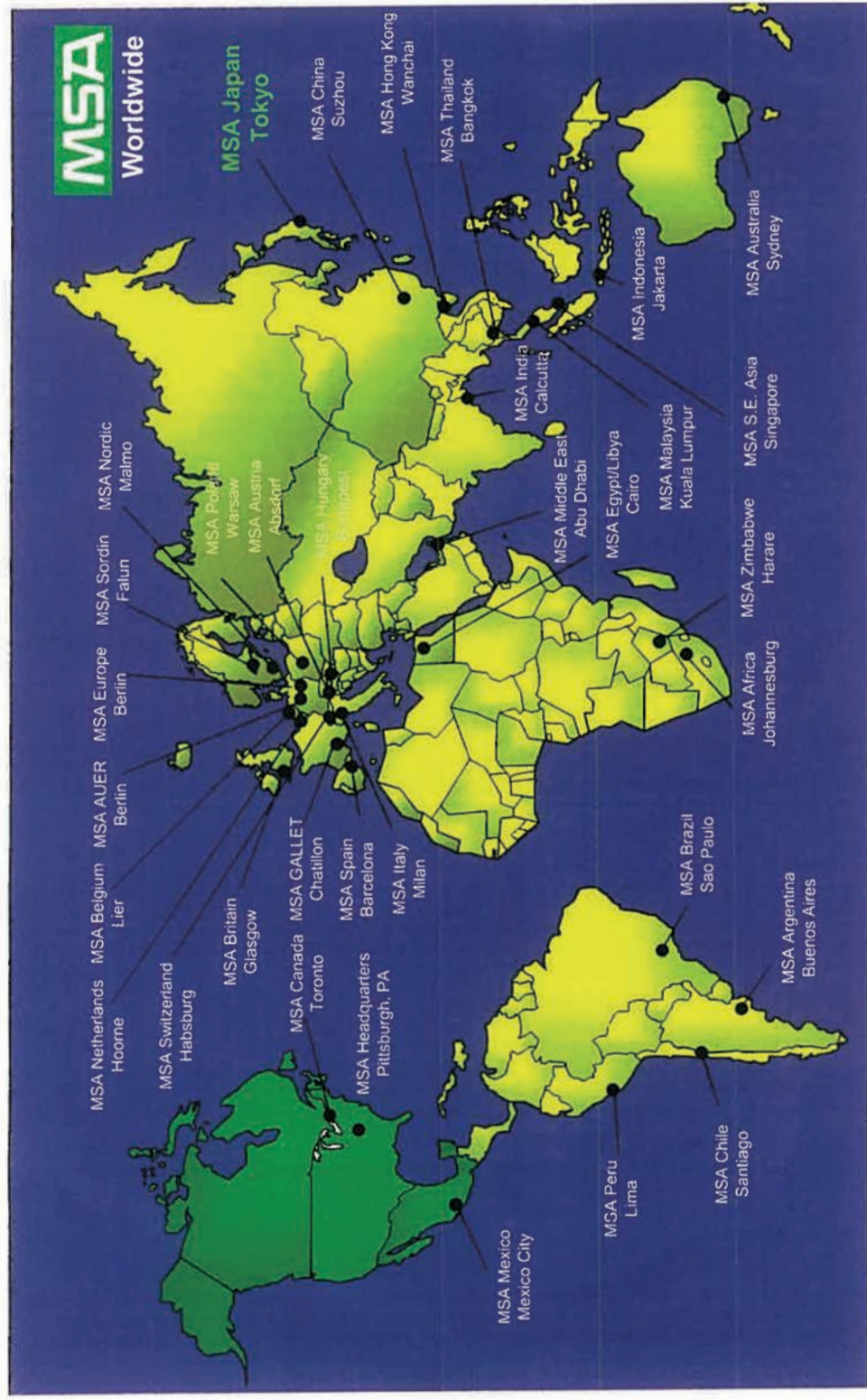
メーカー

MSA(米国マイン・セーフティ・アプライアンス・カンパニー)

HP:MSA-The safety Company

URL <http://jp.msasafety.com/>

OUR MISSION YOUR SAFETY



米国マイン・セーフティ・アプライアンス・カンパニー（略称MSA）は、1914年に鉱山用の安全器具を製造・販売するために設立されました。

今日MSAは、世界32ヶ国に子会社を持ち、4,000種類以上の安全衛生保護具等を、多くの産業界（鉱山、建設、繊維、石油化学、電力、原子力、製鉄、自動車、軍、警察、消防等）に供給しています。

日本では、1966年より営業が開始され、グループ各社より製品を輸入・販売し、独自の開発・製造も行っております。また、消防、電力、原子力、建設、繊維、石油化学、金属、造船、警察、防衛関連等で働く人々の安全と健康を守る製品を製造・販売しております。

アルティア4X タイプCSS

【ALTAIR4X TypeCSS】

SOLAS条約 XI-1章 第7規則【SOLAS regulation XI-1/7】
の下記機能を満たすポータブル4ガス検知警報器
です。

- 対象ガス「O₂・CH₄(可燃性ガス)・H₂S・CO」の4ガスを検知
- 本質安全防爆型 : Ex ia d II C T4 X

【吸引式セット】

- ・アルティア4X本体(アダプター付属)
- ・吸引ポンプ・30Mチューブ・ハードケース



- ## 【手動校正セット】
- ・校正ボトル・レギュレーター
(ガス検知器 別途)

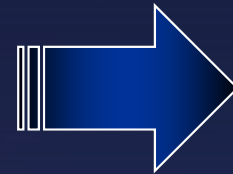


- ・アルティア4X本体
(アダプター付属)

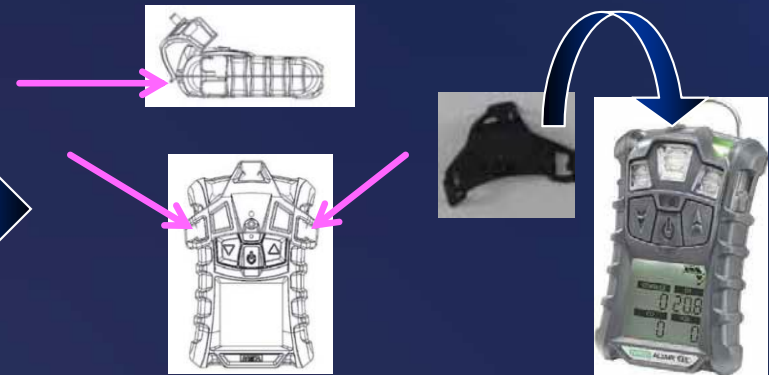
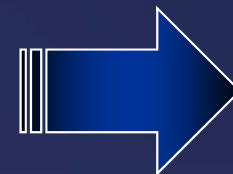
【吸引式・手動校正セット】



Altair4X Quick Guide 【Fresh Air Setup and Zero Calibration ~ Span Calibration】:preparation



Connect the regulator to the Calibration Check Gas Cylinder.



Set calibration cap into slot on device.(recommended that pre- set)

Altair4X Quick Guide 【Fresh Air Setup and Zero Calibration ~ Span Calibration】



▲ 3 secs

No Gas Cylinder -
Indicates cal gas should Not be applied And Device must be exposed To fresh air



(YES)



1, Press central button to turn on. Wait for Normal Measure mode.

2, Press for 3 secs right button ▲ for "Zero Calibration"

3, "Zero Calibration" press central button (YES) to start.

4, After "Zero calibration" completes, the device momentarily displays "ZERO PASS"



(YES)



6, Set calibration cap into slot on device. (recommended that pre-set)



7, Connect tube with the cylinder regulator. Open the pressure reducer valve on test gas cylinder.

Cal Gas Cylinder -
Indicates cal gas must be applied.



5, "Span Calibration" press central button (YES) to start



8, After the "SPAN Calibration" completes, the device momentarily displays "SPAN PASS"



9, The ✓ symbol will be displayed in the Measure mode for 24 hours after a successful Calibration.



Close



10, "Finishing Calibration" Close the valve on the regulator. Remove the calibration cap.



European notified body
Identification number 0736

EC-Type Examination (Module B) Certificate

Certificate No. **213.048**

Name and address of the manufacturer: **MSA Auer GmbH
Thiemannstraße 1
12059 Berlin (Germany)**

Date of issue: **07.04.2011**

Annex A.1 Item No & Item designation: **A.1/3.30 - Oxygen analysis and gas detection equipment**

Product designation: **Oxygen analysis and gas detection equipment (type 1 + type 2)**

Product Type: **Altair 4X**

Intended purpose: **Oxygen analysis and gas detection equipment complying with SOLAS 74/88 Chapter II-2/4 and VI/3, as amended, IMO Resolution MSC.98(73)-(FSS-Code) 15.**

Testing based on (Specific standard): **EN 60945(2002), IEC 60092-504(2001)*, IEC 60533(1999)*
Category 1: safe area - EN 50104(2002) incl. A1 (2004) Oxygen, EN 60079-29-1(2007)
Category 2: explosive gas atmospheres - EN 50104(2002) incl. A1 (2004) Oxygen, EN 60079-29-1(2007), IEC 60079-0(2004), IEC 60079-1(2007), IEC 60079-10(2002)*, IEC 60079-11(2006), IEC 60079-15(2005)*, IEC 60079-26(2006)
(*) = Testing standards not applicable**

Remarks: **see overleaf**

The type tested was found to be in compliance with the Fire Protection requirements of Marine Equipment Directive (MED) 96/98/EC as amended by Directive 2009/26/EC subject to any conditions in the schedule (part of this certificate).

This certificate may only be used in connection with module(s) **D, E or F** of this directive.

Expiry date: **30.04.2016**



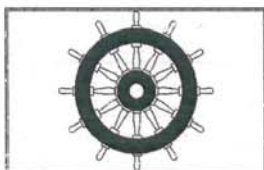
Niehus
Signature (Niehus)

Installed equipment stays approved beyond the validity date until it is revoked!

Note 1: This certificate will not be valid if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to, and agreed with the notified body named on this certificate.

Note 2: Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply.

Note 3: The Mark of Conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-control phase module (D, E or F) of ANNEX B of the Directive is fully complied with and controlled by a written inspection agreement with a notified body.



xxxx/yy

Note 4: "Wheelmark" Format

YY Last two digits of year mark affixed.

XXXX Notified Body number undertaking surveillance module

Certificate of Calibration

Product Name	Altair4X (THIS INSTRUMENT IS COMPATIBLE WITH SOLAS REGULATION XI-1/7)
Parts No.	10153748
Serial No.	*****
Calibration Date.	07/Apr/2016
Next Check (M-Y)	Apr/2017

We prove that finished the calibration of above product.

1) Standard gas for Calibration

Combustible	CH4	1.45	% (29%LEL)
Oxygen	O2	15.0	%
Carbon monoxide	CO	60	PPM
Hydrogen sulfide	H2S	20	PPM

2) Calibration Value

Combustible	CH4	29	%
Oxygen	O2	15.0	%
Carbon monoxide	CO	60	PPM
Hydrogen sulfide	H2S	20	PPM



Service

3-1-24 ,Horinouchi,Niisa-shi,Saitama

MSA JAPAN LTD

Technical Service