IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification System for Explosive Atmospheres

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

Certificate No.: **IECEx LCI 10.0038X**

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Certificate history:
Issue 1 (2013-06-28)
Issue 0 (2010-10-29)

Status: **Current**

Issue No: 2

Date of Issue: 2020-07-17

Applicant: **MSA - The Safety Company**
1000 Cranberry Woods Drive
Cranberry Township, PA 16066
United States of America

Equipment: **Gas sensor Calibration Cap**

Optional accessory:

Type of Protection: **ia**

Marking: MSA - The Safety Company

Address : ....

Type : PRIMAX IR Calibration Cap

Serial number : ...

Year of construction : ...

Ex ia IIC T4 Gb

IECEx LCI 10.0038 X

Ambient temperature : - 30°C to +60°C

Approved for issue on behalf of the IECEx Certification Body: **Julien GAUTHIER**

Position: **Certification Officer**

LABORATOIRE CENTRAL DES INDUSTRIES ELECTRIQUES
S.A.S au capital de 15.745.984 €
RCS Nanterre B 408 363 174
33 avenue du Général Leclerc
F - 92266 FONTENAY AUX ROSES

Signature: (for printed version)

Date: 2020-07-17

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 www.iecex.com or use of this QR Code.

Certificate issued by:

Laboratoire Central des Industries Electriques (LCIE)
33 Avenue du General Leclerc
Fontenay-aux-Roses FR-92260
France

IECEx Certificate of Conformity

Certificate No.: **IECEx LCI 10.0038X**

Date of issue: 2020-07-17 Issue No: 2

Manufacturer: **MSA - THE SAFETY COMPANY**
1000 Cranberry Woods Dr
Cranberry Township
Pennsylvania 16066-5296
United States of America

Additional manufacturing locations:

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 equipment 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 Explosive atmospheres - Part 0: General requirements
Edition:6.0

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

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 Reports:

FR/LCI/ExTR10.0041/00 FR/LCI/ExTR10.0041/01 FR/LCI/ExTR20.0001/00

Quality Assessment Report:

FR/INE/QAR08.0011/10

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EQUIPMENT:
Equipment and systems covered by this Certificate are as follows:

The device is a self-contained, battery operated calibration tool for use with PrimaX IR gas sensors.

SPECIFIC CONDITIONS OF USE: YES as shown below:
The apparatus can be only powered by a Panasonic type BR1632A cell.

Ambient temperature : - 30°C to +60°C

IECEx Certificate of Conformity

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)
Issue 00 (2010/10/30) : Initial assessment according to requirements of IEC 60079-0 : 2004 (Edition 4.0) and IEC 60079-11 : 2006 (Edition 5.0) standards.

Issue 01 (2013/06/28) : Normative update according to IEC 60079-0 : 2011 (Ed. 6) and IEC 60079-11 : 2011 (Ed. 6) requirements.

Issue 02 (current) :

- Modification of company name : Mine Safety Appliances Company becomes MSA - The Safety Company,

- Technical document update,

- Modification of plastic material of external enclosure.

Annex:

LCI 10.0038X-MSA_safety_company-PRIMAX_IR_- Issue 02 - Annex 01.pdf

Annex 01 to Certificate
IECEx LCI 10.0038 X issue 02

FULL EQUIPMENT DESCRIPTION

Functional description:
Gas Sensor Calibration Cap, type PRIMAX IR, is a self-contained device, battery operated, and is used as calibration tool for use with PRIMAX IR gas sensors.
Communication between calibration cap device and sensor is done via IR.

PRIMAX IR Calibration Cap is used locally at the main sensor to calibrate (PRIMA IX sensor) and calibration process can start automatically.
The calibration cap display indicates the zero gas cylinder symbol and flashes, thanks to internal IR diode, and indicating that the device is in Zero Calibration Mode.

PRIMAX IR Calibration Cap is an autonomous device, powered supplied by one poly-carbonmonofluoride lithium coin cell, Panasonic, type BR1632A.

Mechanical description:
The external enclosure is made of polycarbonate / ABS alloy and has an LCD display.

MARKING

MSA – The Safety Company
Address : …
Type : PRIMAX IR Calibration Cap
Serial number : …
Year of construction : …
Ex ia IIC T4 Gb
IECEx LCI 10.0038 X
-30°C ≤ Tamb ≤ +60°C

RANGE DETAILS

Product range: Only one model.

RATINGS

Equipment is powered supplied by a non-replaceable lithium primary battery PANASONIC, BR1632A type.

FULL CONDITIONS OF CERTIFICATION (ou FULL SCHEDULE OF LIMITATIONS)

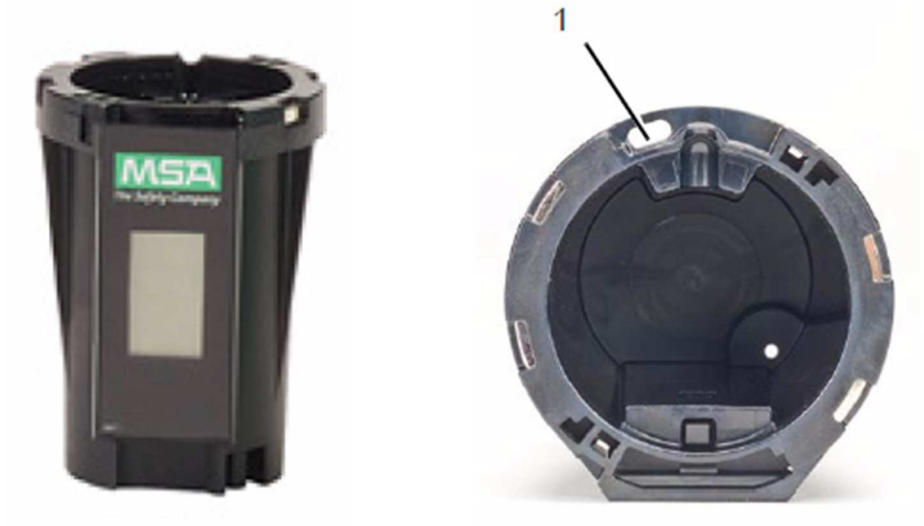
a) Ambient temperature range: -30°C to +60°C.
b) The apparatus must only be powered by a primary battery, Panasonic, type BR1632A.

ROUTINE TESTS

None.

APPARATUS OVERVIEW

General view of the equipment :



PRIMAX IR Calibration Cap

ADDITIONAL MANUFACTURING LOCATIONS

None.

TEST & ASSESSMENT REPORTS

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

Test Report:

FR/LCI/ExTR10.0041/00
FR/LCI/ExTR10.0041/01
FR/LCI/ExTR20.0001/00.

Quality Assessment Report:

FR/LCI/QAR08.0011/10.