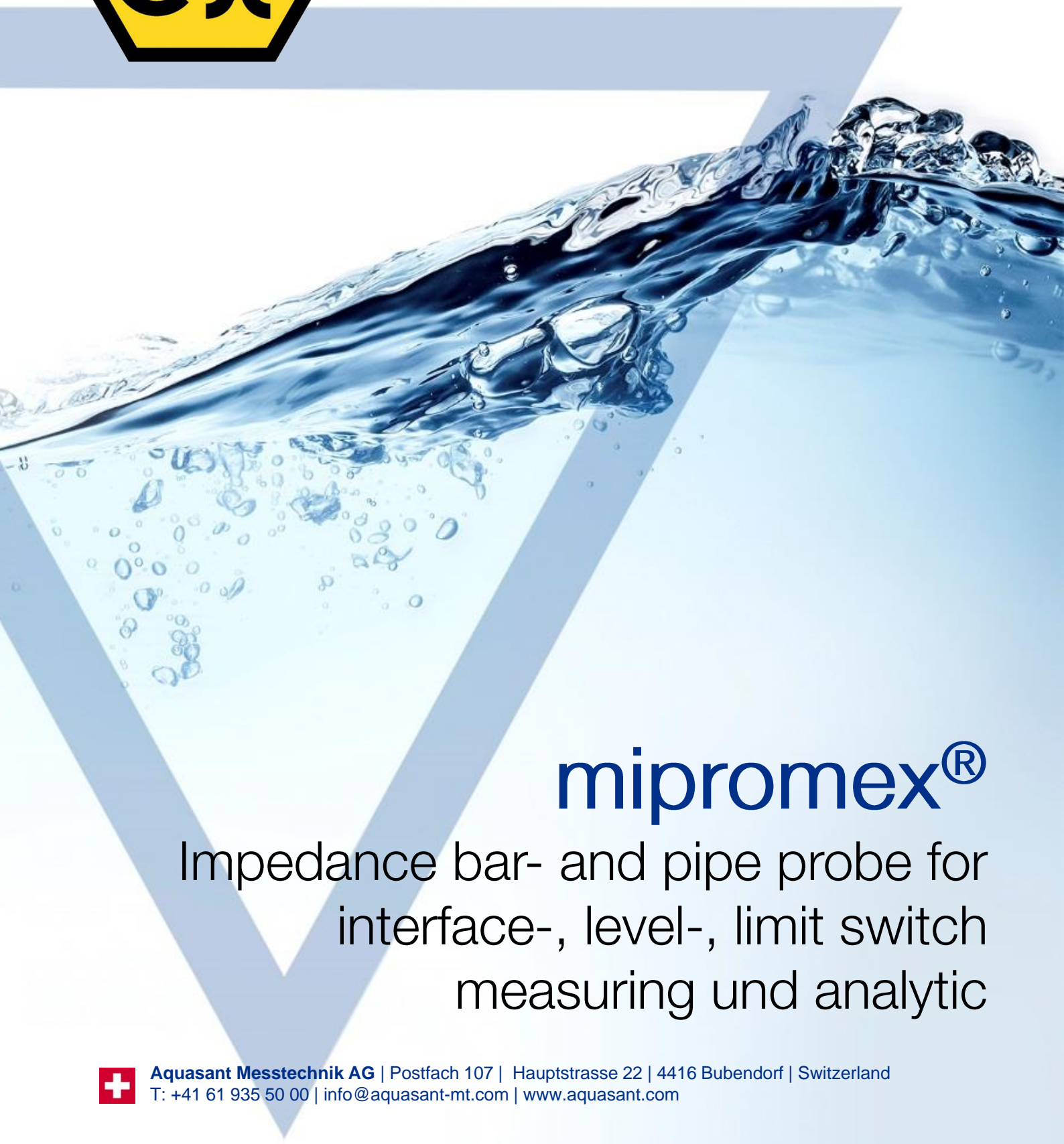


CERTIFICATE: ATEX / ISO



mipromex[®]

Impedance bar- and pipe probe for
interface-, level-, limit switch
measuring und analytic





CERTIFICATE

Certificate no. 6972

aquasant 

Aquasant Messtechnik AG
Hauptstrasse 22
CH-4416 Bubendorf

QS ZÜRICH AG certifies that the management system of the above mentioned company and location(s) has been evaluated and meets the requirements established by the following rules:

ISO 9001: 2015

The management system includes:

Development, manufacturing and sales of measuring-, monitoring- and controlling-equipment for the chemical industry, the biotechnology, the food industry and the petrochemistry

During the period of validity of this certificate, the management system of the company must always comply with the requirements of the certified standards.

For updated amendments within the scope of certification of the present certificate, please refer to

<http://www.quality-service.ch/>



First certification date:

01.03.1996

Date of issue:

25.05.2021

Expiration date:

01.07.2024

Subject to successful surveillance audit

QS ZÜRICH AG
P.O. Box 6335
CH-8050 Zürich
info@quality-service.ch




Management



1 **PRODUCTION/PRODUCT QUALITY ASSURANCE NOTIFICATION**

2 **Equipment and protective systems intended for use in potentially explosive atmospheres Directive 2014/34/EU**

Conformity to Type based on Quality Assurance of the Production Process/Product Quality Assurance

3 Notification No. **KIWA 19ATEXQ1234**

4 Equipment, protective system or components as listed:

Controllers and sensors for Impedance measuring technique of parting, threshold, level;	Flameproof Enclosures (d)
Electro-optical fluid overflow protection;	Increased Safety (e)
Electro-optical turbidity measurement;	Non-electrical equipment (h)
Treshold conductivity sensor technique;	Intrinsic Safety (i)
Radar level measurement	Encapsulation (m)
	Optical Radiation (op is)
	Dust Ignition Protection by Enclosure (t)

5 Manufacturer or
Authorised Representative:

Aquasant Messtechnik AG
Hauptstr. 22
4416 Bubendorf
Switzerland

6 Manufacturing locations: As above

7 CSA Group Netherlands B.V., notified body number 2813 in accordance with Article 17 of the Council Directive 2014/34/EU, notifies that the manufacturer has a quality system which complies with the requirements of Annexes IV & VII of Directive 2014/34/EU.

8 This notification is based upon Report No. 191001279-2 issued on 15. September 2021. This notification can be withdrawn if the manufacturer no longer satisfies the requirements of Annexes IV/VII. Results of periodical assessment of the quality system form part of this notification.

9 According to Article 16 [3] of Directive 2014/34/EU the CE marking shall be followed by the identification number 2813 of CSA Group Netherlands B.V., as the Notified Body involved in the production control stage.

Date of Initial Certification: 06. November 2019

Date of Issue: 15. October 2021

Date of Expiry: 24. October 2022

James May

On behalf of CSA Group Netherlands B.V.



Notification No. **KIWA 19ATEXQ1234**

This certificate remains valid subject to the company maintaining its system to the required standards, which will be monitored by CSA. The use of this certificate, marks and logos are subject to the Regulations Applicable to Holders of CSA Group Netherlands BV certificates
CSA Group Netherlands B.V. Utrechtseweg 310, Building B42, 6812AR, Netherlands



1 Mitteilung über die Anerkennung der Qualitätssicherung Produktion

2 Geräte und Schutzsysteme zur bestimmungsgemäßen Verwendung in explosionsgefährdeten Bereichen - Richtlinie 2014/34/EU

Konformität mit dem Baumuster auf der Grundlage einer Qualitätssicherung bezogen auf den Produktionsprozess / der Qualitätssicherung bezogen auf das Produkt

3 Notifizierung Nr. **KIWA 19ATEXQ1234**

4 Geräte, Schutzsysteme oder Komponenten gemäß nachfolgender Aufstellung:

Steuergeräte und Sensoren zur Impedanzmesstechnik für Trennschicht, Grenzwert und Füllstand;	Druckfeste Kapselung (d)
elektrooptische Flüssigkeitsüberfüllsicherungen;	Erhöhte Sicherheit (e)
elektrooptische Trübungsmessung;	Nicht-elektrischer Explosionsschutz (h)
Grenzwert Leitsensortechnik;	Eigensicherheit (i)
Radar Füllstandsmessung	Vergusskapselung (m)
	Inhärent sichere opt. Strahlung (op is)
	Schutz durch Gehäuse (t)

5 Hersteller oder Bevollmächtigter:

Aquasant Messtechnik AG
Hauptstr. 22
4416 Bubendorf
Schweiz

6 Fertigungsstandorte: Siehe 5

7 Die CSA Group Netherlands B.V., notifizierte Stelle Nr. 2813 gemäß Artikel 17 der Richtlinie 2014/34/EU des europäischen Parlaments und des Rates, erklärt, dass der Hersteller ein Qualitätssicherungssystem unterhält, welches den Anforderungen der Anhänge IV & VII der Richtlinie 2014/34/EU entspricht.

3 Diese Mitteilung basiert auf dem Auditbericht Nr. 191001279-2 vom 15. September 2021. Die Mitteilung kann zurückgezogen werden, wenn der Hersteller die Anforderungen der Anhänge IV/VII nicht mehr erfüllt. Die Ergebnisse der regelmäßigen Begutachtung des Qualitätssicherungssystems sind Bestandteil der Mitteilung.

9 Gemäß Artikel 16 [3] der Richtlinie 2014/34/EU hat der CE Kennzeichnung die Identifizierungsnummer 2813 der CSA Group Netherlands B.V., als für die Fertigungsüberwachung verantwortliche notifizierte Stelle, zu folgen.

Erstzertifizierung: 06. November 2019
Gültig von: 15. Oktober 2021
Gültig bis: 24. Oktober 2022

James May
Im Namen der CSA Group Netherlands B.V.



Achtung – Rechtlich verbindlich ist ausschließlich die englische Sprachfassung. Die vorliegende deutsche Übersetzung dient ausschließlich Informationszwecken.

Notification No. **KIWA 19ATEXQ1234**

This certificate remains valid subject to the company maintaining its system to the required standards, which will be monitored by CSA. The use of this certificate, marks and logos are subject to the Regulations Applicable to Holders of CSA Group Netherlands BV certificates
CSA Group Netherlands B.V. Utrechtseweg 310, Building B42, 6812AR, Netherlands

EU DECLARATION OF CONFORMITY



Manufacturer:	Aquasant Messtechnik AG, Hauptstrasse 22, 4416 Bubendorf, Switzerland
Brand:	aquasant®
Notified body:	N° 2813, CSA Group Netherlands B.V.
Description:	Mipromex Evaluation and control devices for rod, rope, flat and pipe probes for limit value, level, interface and analysis with impedance measuring electronics, according to ATEX 16 type code.

We hereby declare under our sole responsibility that the products:

Inspection certificate number	SEV 09 ATEX 0132	Electrosuisse SEV Nr.: 1258
Product / type	Microprocessor-control unit «mipromex®» M** **** *	

comply with the following European guidelines under the harmonised standards or normative documents:

ATEX RL 2014/34/EU	EN 1127-1:2019 EN 60079-0:2018 EN 60079-11:2012
EMV RL 2014/30/EU	EN 61000 EN 61326
RoHS RL 2011/65/EU	EN IEC 63000:2018

The standards listed may deviate from those in the type examination certificate. In this case Aquasant Messtechnik AG declares that the product complies with the updated standards and that the basic safety and health requirements are met.

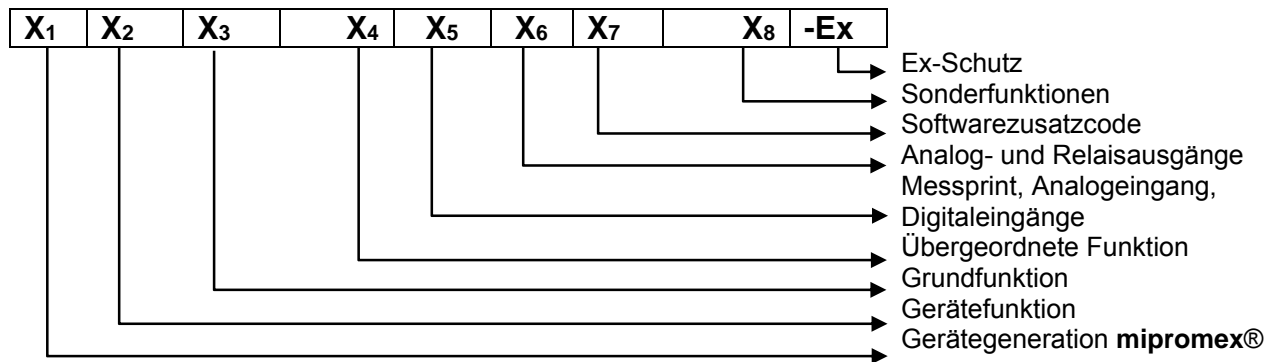
Bubendorf, 24.09.2021



Roger Inauen
Head Manufacturing



mipromex®-Typenschlüssel:



X₁ M = **mipromex®**

X₂ A = Analog I = Interface
P = Product L = Level

X₃ C = Concentration M = Monitoring T = Transmitter
R = Recognition Q = Quality S = Switch
L = Level U = Universal

X₄ 1 = Grenzwert 4 = Analogausgang 7 =
2 = Leermelder 5 = Universal neu 8 = Trennschicht
3 = Vollmelder 6 = Füllstand 9 = Produkt (Qualität, Art, Konzentration)

X ₅	Messprint	MW von 2. Gerät	Analogeingang	Digitaleingänge
1	1			3
2	2			3
3	2	1 MW ab Rackbus		3
4	2	2 MW ab Rackbus		3
5	1		1	3
6	2		1	3

X ₆	Relais	OC	Analogausgang	DC-Wandler
0	2			
1		1/2	1	1
2		2	2	1
3	2		1	1
4		2	2	2
5	2		2	2
6	2		2	1
7		2		
8	2 intern		1	1
9	1		1	1

Ein DC-Wandler mit Potentialtrennung, Analogausgang gegenüber Speisespannung; Zwei DC-Wandler, zusätzlich Potentialtrennung, Analogausgänge gegeneinander

X₇ 0 = Standard - Software
1 = 1. Erweiterung einer Standard - Software

X₈ - = ohne
C = Controller Regler (Gerät mit Reglerfunktion) z.B. **MIL 8110 C** Trennschichtniveauregler
P = Product compensation
S = Segment

Ex Ex = mit Ex-Schutz nach ATEX II(2)G [Ex ia] IIC // II(2)D [Ex iaD]
Exd = mit Ex D-Schutz nach ATEX II(2)GD [Ex d ia] IIC
NEx = ohne Ex-Schutz auf Messprint



EC-Type Examination Certificate

- (1)
- (2) Equipment or protective system intended for use in potentially explosive atmospheres - **Directive 94/9/EC**
- (3) Examination Certificate Number
SEV 09 ATEX 0132
- (4) Equipment: Type M** **** * Microprocessor control unit "mipromex®"
- (5) Manufacturer: Aquasant-Messtechnik AG
- (6) Address: Hauptstrasse 22, CH-4416 Bubendorf
- (7) The equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- (8) Electrosuisse SEV as notified body No. 1258 in accordance with article 9 of the Council Directive of the European Communities of 23 March 1994 (94/9/EC), certifies that this equipment has been found to comply with the essential health and safety requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.
The results of the examination are recorded in confidential report No. 08-IK-0396.01
- (9) Compliance with the essential health and safety requirements has been assured by compliance with:

EN 1127-1:2007	EN 60079-0:2006	EN 60079-11:2007
EN 61241-0:2006	EN 61241-11:2006	
- (10) If the sign «X» is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.
- (11) This examination certificate relates only to design and construction of the specified equipment in accordance to the directive 94/9/EC. Further requirements of this directive apply to the manufacturing process and the placing on the market of the equipment.
- (12) The marking of the equipment shall include the following:

see Appendix page 2: (19) Marking

Electrosuisse SEV
Certification Body ATEX

Fehraltorf, 2009-06-25

Martin Plüss
Product Certification

Appendix

(13)

(14)

EC-Type Examination Certificate SEV 09 ATEX 0132

(15) Description of the equipment

The type M** **** * Microprocessor control unit "mipromex®" serve to supply power and evaluate measuring impulses. They may also be equipped for monitor-ing limit values.

(16) Test Report

08-IK-0396.01

(17) Special conditions for safe use
none

(18) Fundamental essential health and safety requirements
Fulfilled by the standards applied

(19) Marking

The marking of the equipment shall include the following:

For standard version:

 **II (2)G** [Ex ia] IIC
II (2)D [Ex iaD] resp.

For the execution for supply of the probes in ignition protections „Ex d ia“

 **II (2)GD**

Electrosuisse SEV
Certification Body ATEX

Fehraltorf, 2008-06-25

Martin Plüss
Product Certification



Overview application mipromex[®] types MIQ/MIL/MLT/MAT/MLS/MPR

Interface:

Batch-separation or continuous interfacial layer measurement, detection of two immiscible liquids.

Level:

Level measurement for a wide range of applications (product-compensated for process level measurement); for organic to aqueous liquids, foams or powders

Limit Switch:

Full / empty or level indicator for organic to aqueous liquids, foams or powders with very small bulk densities

Process Analytic:

Product monitoring and identification, concentration and endpoint determination of organic chemical reactions

