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aquasant

APPROVALS / CERTIFICATES / CONFORMITIES

aquasant®

Impedance measurement

Bar and tubular probes for interface, level measurement, limit switch and analytics

Aquasant Messtechnik AG | Postfach 107 | Hauptstrasse 22 | 4416 Bubendorf | Switzerland T: +41 61 935 50 00 | info@aquasant-mt.com | www.aquasant.com

QS QUALITY SERVICE

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/

QUALITY SWISS

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

CERTIFIED QS QUALITY SERVICE MANAGEMENT SYSTEM

SWISS ACCREDITATION sas.admin.ch SCESm 0047

MEMBER OF MULTILATERAL RECOGNITION ARRANGEMENT IAF

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;
Electro-optical fluid overfill protection;
Electro-optical turbidity measurement;
Treshold conductivity sensor technique;
Radar level measurement

Flameproof Enclosures (d)
Increased Safety (e)
Non-electrical equipment (h)
Intrinsic Safety (i)
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. 80135863 issued on 22 July 2022. 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: 18 August 2022
Date of Expiry: 24 October 2025

Michelle Halliwell
On behalf of CSA Group Netherlands B.V.

PRODUCTS
RvA C 652

EU DECLARATION OF CONFORMITY

CE

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

VxZ-EU-KONFORMITÄT-CONFORMITY_mipromex

electrosuisse

(1) # EC-Type Examination Certificate

(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

SEV Verband für Elektro-, Energie- und Informationstechnik
SEV Association pour electrotechnique, les technologies de l'enegie et de l'information
SEV Associazione per elettrotecnica, la tecnica energetica e l'informatica
SEV Association for Electrical Engineering, Power and Information Technologies

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(13) # Appendix

(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:

Ex **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“

Ex **II (2)GD**

Electrosuisse SEV
Certification Body ATEX

Fehraltorf, 2008-06-25

Martin Plüss
Product Certification

SEV Verband für Elektro-, Energie- und Informationstechnik
SEV Association pour electrotechnique, les technologies de l'enegie et de l'information
SEV Associazione per elettrotecnica, la tecnica energetica e l'informatica
SEV Association for Electrical Engineering, Power and Information Technologies

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Prüfbericht Ref. 08-IK-0396.01

Aquasant-Messtechnik AG, Hauptstrasse 22, CH-4416 Bubendorf

Beschreibung

Das Mikroprozessor-Steuergerät "mipromex®" Typ M** **** * dient der Stromversorgung und der Auswertung von Messimpulsen und kann auch zur Grenzwertüberwachung ausgerüstet werden.

Typenbezeichnung

Die Sterne in der Typenbezeichnung werden durch Kennzeichen von Varianten ersetzt, welche keinen Einfluss auf den Explosionsschutz und die allgemeine Sicherheit haben.

Bemessungsdaten

Für alle Ausführungen:

Versorgungsspannung (Steckleiste X1: z30 / d30)	18 – 36 VDC bzw. 22 – 26 VAC, ca. 3.4 W
Schaltstromkreise (Steckleiste X1: z14 bis z24)	$U_{max.}$ = 30 V $I_{max.}$ = 2 A

Für die Normalausführung:

Signalstromkreise (Steckleiste X1: d2 / z2 bzw. d4 / z4)	in Zündschutzart Eigensicherheit Ex ia IIC mit folgenden Ausgangshöchstwerten: U_o ≤ 18.9 V I_o ≤ 49 mA P_o ≤231 mW Ausgangskennlinie: linear maximale äussere Induktivität L_o = 10 mH maximale äussere Kapazität C_o = 180 nF

Für die Ausführung zur Speisung der Sonden in Zündschutzarten „Ex d ia“:

Signalstromkreise (Steckleiste X1: d2 / z2 bzw. d4 / z4)	U ≤ 19.3 V I ≤ 75 mA

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EU DECLARATION OF CONFORMITY

CE

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 bar, rope, flat, hand 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 0133 X	Electrosuisse SEV Nr.: 1258
Product / type	Impedance probe **S** | K** | F** | TSS** with MTI **/***	

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

ATEX RL 2014/34/EU	EN 1127-1:2019 EN 60079-0:2018 EN 60079-1:2014 / AC :2018-09 EN 60079-11:2012 EN 60079-26:2015
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 of 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

VxZ-EU-KONFORMITÄT-CONFORMITY_Imp_Sonden

electrosuisse

(1) # EC-Type Examination Certificate

(2) Equipment or protective system intended for use in potentially explosive atmospheres - **Directive 94/9/EC**

(3) Examination Certificate Number

SEV 09 ATEX 0133 X

(4) Equipment: Rigid, flexible and tubular probes with impedance measuring electronics type series S**, K**, F** and TSS

(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-0395.01

(9) Compliance with the essential health and safety requirements has been assured by compliance with:

EN 1127-1:2007	**EN 60079-0:2006**	**EN 60079-1:2007**
EN 60079-11:2007	**EN 60079-26:2007**	**EN 61241-0:2006**
EN 61241-1:2004	**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 3: (19) Marking

Electrosuisse SEV
Certification Body ATEX

Fehraltorf, 2009-08-19

Martin Plüss
Product Certification

SEV Verband für Elektro-, Energie- und Informationstechnik
SEV Association pour electrotechnique, les technologies de l'enegie et de l'information
SEV Associazione per elettrotecnica, la tecnica energetica e l'informatica
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(13) # Appendix

(14) **EC-Type Examination Certificate SEV 09 ATEX 0133 X**

(15) Description of the equipment

Rigid, flexible and tubular probes type series S**, K**, F** and TSS with mounted or separate impedance measuring electronics type MTI ***/* used in conjunction with the microprocessor control unit "mipromex®" type M** **** * (SEV 09 ATEX 0132) for measuring signals for limiting values, levels, separating layers and for analysis in potentially explosive atmospheres.

Variants with integrated temperature sensor and associated measuring transmitter as well as use as a deadman's hand-held probe or hand lever probe is possible.

Ratings according to test report.

(16) Test Report 08-IK-0395.01

(17) Special conditions for safe use

1. According to RL 94/9/EC (ATEX 95) Appendix I, the rigid, flexible and tubular probe type series S**, K**, F** and TSS with mounted or separate impedance measuring electronics type MTI ***/* according to type code is a device of equipment group II, category 2G which, according to RL 99/92/EC (ATEX 137) can be used in zones 1 and 2 as well as gas groups IIA, IIB and IIC, which are potentially explosive due to combustible substances in the temperature classes T1 to T6.
   For use/installation, the requirements of EN 60079-14 must be observed.
2. According to RL 94/9/EC (ATEX 95) Appendix I, the rigid, flexible and tubular probe type series S**, K**, F** and TSS with mounted or separate impedance measuring electronics type MTI ***/* according to type code is a device of equipment group II, category 2D which, according to RL 99/92/EC (ATEX 137) can be used in zones 21 and 22 in the presence of combustible dusts.
   For use/installation, the requirements of EN 61241-14 must be observed.
3. According to RL 94/9/EC (ATEX 95) Appendix I, only the medium contacted part of the rigid, flexible and tubular probe type series S**, K**, F** and TSS according to type code is a device of equipment group II, category 1G or category 1D which, according to RL 99/92/EC (ATEX 137) can be used in zone 0 or 20.
4. The medium contacted parts of the rigid, flexible and tubular probe type series S**, K**, F** and TSS according to type code with coating of an insulating material (surface resistance> 1 GΩ) can be used without restriction only for combustible substances in gas groups IIA or IIB. For substances in gas group IIC, the coating must be either conductive (surface resistance < 1 GΩ) or have a coating thickness of maximum 0.2 mm.
5. The variants for use as a deadman's hand-held probe or hand lever probe may only be used in gas groups IIA and IIB.
6. The permissible ambient temperature range for the connecting or measuring transducer part of the rigid, flexible and tubular probe type series S**, K**, F** and TSS according to type code is -20°C to +60°C.
7. The permissible medium temperature for the measuring part of the rigid, flexible and tubular probe type series S**, K**, F** and TSS according to type code must be defined for the selected type (with or without heatsink, dimensions, etc.), so that the requirements of the above code are fulfilled. This verification or relevant information must be added to the operating instructions of each variant.

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8. As the probe circuit is operationally earthed, a common equipotential bond must exist throughout the wiring run of the probe circuit and supply and signal circuit (within and outside potentially explosive area).
9. When using the variant with integrated temperature sensor and associated measuring transmitter, temperature measuring transducer WIKA type 32.1*.**2 (DMT 98 ATEX E 007 X), the permissible medium temperature or temperature within the area of the measuring part must be minimum 10 K below the ignition temperature or temperature class of the used combustible materials.

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

(19) Marking
The marking of the equipment shall include the following:

Rigid, flexible and tubular probe type series S**, K**, F** and TSS with mounted or separate impedance measuring electronics type MTI ***/* according to type key:

Ex	II 1/2G	Ex ia IIC T6	and/or
	II 1/2D	Ex iaD 20/21 IP65 T85°C	

or

Ex	II 1/2G	Ex d ia IIC T6	and/or
	II 1/2D	Ex iaD tD A20/21 IP65 T85°C	

Separate impedance measuring electronics type MTI ***/*.

Ex	II 2G	Ex ia IIC T6	and/or
	II 2D	Ex iaD 21 IP65 T85°C	

Variants for use as a deadman's hand-held probe or hand lever probe:

Ex	II 2G	Ex ia IIB T6

Electrosuisse SEV
Certification Body ATEX

Fehraltorf, 2009-08-19

Martin Plüss
Product Certification

SEV Verband für Elektro-, Energie- und Informationstechnik
SEV Association pour electrotechnique, les technologies de l'enegie et de l'information
SEV Associazione per elettrotecnica, la tecnica energetica e l'informatica
SEV Association for Electrical Engineering, Power and Information Technologies

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Prüfbericht Ref. 08-IK-0395.01

Aquasant-Messtechnik AG, Hauptstrasse 22, CH-4416 Bubendorf

Beschreibung

Die Stab-, Seil- und Rohrsonde der Typreihen S**, K**, F** und TSS mit aufgebauter oder separater Impedanz-Messelektronik Typ MTI ***/* dient, in Verbindung mit dem Mikroprozessor-Steuergerät "mipromex®" Typ M** **** * (SEV 09 ATEX 0132), der Signalerfassung für Grenzwert, Füllstand, Trennschicht und Analytik im explosionsgefährdeten Bereich.

Ausführungsvarianten mit eingebautem Temperaturfühler und zugehörigem Messtransmitter sowie zur Verwendung als Totmannhandsonde bzw. Handhebelsonde sind möglich.

Typenbezeichnung

Die Sterne in der Typenbezeichnung werden gemäss Typenschlüssel, siehe separates Dokument der Prüfungsunterlagen des Herstellers, durch Kennzeichen von Varianten ersetzt, welche keinen Einfluss auf den Explosionsschutz und die allgemeine Sicherheit haben.

Bemessungsdaten

Stab- und Seilsonde Typenreihen S*M, K*M, F*M
Rohrsonde Typ TSS**********FIX*
separate Impedanz-Messelektronik Typ MTI ***/*

Impedanz-Messsignal- und Versorgungsstromkreis (Klemmen 1 und 2)	in Zündschutzart Eigensicherheit Ex ia IIC nur zum Anschluss an den Signal- und Versorgungsstromkreis des Mikroprozessor-Steuergerät "mipromex®" Typ M** **** * (SEV 09 ATEX 0132) oder an einen bescheinigten eigensicheren Stromkreis mit folgenden Ausgangs-Höchstwerten: $U_i \leq 18.9$ V $I_i \leq 49$ mA $P_i \leq 231$ mW Wirksame innere Kapazität Ci = 60 nF Wirksame innere Induktivität Li = 0 mH

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Prüfbericht Ref. 08-IK-0395.01

Aquasant-Messtechnik AG, Hauptstrasse 22, CH-4416 Bubendorf

Impedanz-Messsignal- und Versorgungsstromkreis (Klemmenleisten X5 und X6)	in Zündschutzarten druckfeste Kapselung und Eigensicherheit Ex d ia IIC nur zum Anschluss an den Signal- und Versorgungsstromkreis des Mikroprozessor-Steuergerät "mipromex®" Typ M** **** * (SEV 09 ATEX 0132) mit folgenden Ausgangs-Höchstwerten: U ≤ 19.3 V I ≤ 75 mA
Temperatur-Messsignal- und Versorgungsstromkreis (Klemmen + und -)	in Zündschutzart Eigensicherheit Ex ia IIC nur zum Anschluss an einen bescheinigten eigensicheren Stromkreis, zum Beispiel: Höchstwerte für Temperaturmessumformer WIKA Typ 32.1*.**2 (DMT 98 ATEX E 007 X): U_i ≤ 30 V I_i ≤ 130 mA P_i ≤ 800 mW Wirksame innere Kapazität C_i = 7.8 nF Wirksame innere Induktivität L_i = 0.1 mH • Diese Werte dienen nur zur Information. Die verbindlichen Angaben sind der Betriebsanleitung des bescheinigten Temperaturmessumformers zu entnehmen.

Stab- und Seilsonde Typenreihen S*K, K*K, F*K
Rohrsonde Typ TSS********** *

Sondenstromkreis (Koaxialanschluss)	in Zündschutzart Eigensicherheit Ex ia IIC nur zum Anschluss an die separate Impedanz-Messelektronik Typ MTI ***/*. Höchstwerte: HF-Anschlusskabel und Sonde Wirksame innere Kapazität Ci = 2 nF Wirksame innere Induktivität Li = 0 mH

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DECLARATION OF CONFORMITY

CE

Manufacturer:	Aquasant Messtechnik AG, Hauptstrasse 22, 4416 Bubendorf, Switzerland
Brand:	**aquasant®**
Notified body:	N° 1253, Swiss Safety Center AG
Description:	Pipe probe for interface, limit switche and analytics for installation in pipes.

We hereby declare under our sole responsibility that the products:

Pressure unit description

Pipe probe type:	TSS80 * DN	ANSI	TSS85 * DN	ANSI	TSS90 * DN	ANSI
Size:	32/40; 50; 80; 100	2"; 3"	150	--	50 - 150	2"; 3"; 4"; 6"
Pressure stage:	PN16	150 lbs	PN16	--	PN16 / 40	150 / 300 lbs

Conformity rating procedures

Modul:	A2
Fluid group:	1, excluding instable gases
Test pressure:	PN16 = 24 bar / PN40 = 60 bar | 150 lbs = 30 bar / 300 lbs = 60 bar

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

RL 2014/68/EU	SN EN 12266-1; 2012-06 SN EN 19; 2016-07 SN EN 755-1; 2016-09 SN EN 755-2; 2016-08
Certificate no.	PED-Z-COS.EP.5127016
Test report no.	PED-P-COS.EP.5127016

Order-related declarations of conformity are issued on request. Information for the operator can be found in the operating instructions.

Bubendorf, 08.09.2020

Roger Thauen
Head Manufacturing

Andreas Kessler
production testing

VxZ-EU-KONFORMITÄT-CONFORMITY_Druckgerarte

swiss safety center

ZERTIFIKAT

Certificate

Interne Fertigungskontrolle mit überwachten Druckgeräteprüfungen (Modul A2) nach Richtlinie 2014/68/EU
internal production control plus supervised pressure equipment checks (Module A2) according to Directive 2014/68/EU

Zertifikat-Nr.: **PED-Z-COS.EP.5127016**
Certificate No.:
Rev. / Datum 0 / 14.09.2022

Name und Anschrift des Herstellers:
Name and postal adress of manufacturer:

Aquasant Messtechnik AG
Hauptstrasse 22
CH-4416 Bubendorf

Der Hersteller ist nach Prüfung der Voraussetzungen berechtigt, für die von ihm im Rahmen des Geltungsbereichs hergestellten Druckgeräte die CE-Kennzeichnung mit unserer Kennummer wie abgebildet zu verwenden:
The manufacturer is - after examination of the prerequisites - authorized to provide his pressure equipment manufactured within the scope of the examination with the CE-Mark and our identification number as illustrated:

CE 1253

Prüfbericht Nr.: **PED-P-COS.EP.5127016**
Test report No.:

Geltungsbereich: **Rohrsonde Typ: TSS 80, TSS 85, TSS 90, WPR**
Scope of examination: *Pipe Probe Type:*

Fertigungsstätte: **Aquasant Messtechnik AG, CH-4416 Bubendorf**
Manufacturing plant:

Gültig bis: **21.09.2025**
Valid until:

Wallisellen, 14.09.2022

Swiss Safety Center AG ist Konformitätsbewertungsstelle (Notifizierte Stelle) für die Richtlinie Druckgeräte 2014/68/EU.
Swiss Safety Center AG is a conformity notified body (Nodified Body) for the Pressure Equipment Directive 2014/68/EU.

Holger Weyl

Swiss Safety Center AG, Richtistrasse 15, CH-8304 Wallisellen
Ein Unternehmen der SVTI-Gruppe
Mitglied des TÜV-Verbands

SWISS ACCREDITATION sas.admin.ch SIS 0073
CE 1253

2211fo014_zertifikata2_de_rev-11_13-09-2022_5127016.docx-13.09.2022-35614-Aquasant Messtechnik AG-Bubendorf-KIS-5127016 (M000434661).DOCX

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SWISS SAFETY CENTER AG
PRESSURE EQUIPEMENT

Certificate for Transfer of Markings

Swiss Safety Center AG, as Notified Body for Pressure Equipment, Reg. No. 1253, authorizes the company

Aquasant Messtechnik AG
Hauptstrasse 22
CH-4416 Bubendorf

for the transfer of markings for the purpose of identification of materials on semi-finished products or parts according to the demands of the **Pressure Equipment Directive 2014/68/EU Annex I, § 3.1.5 and the Swiss Ordinance on the safety of pressure equipment SR 930.114** for on-site construction and the workshop at

Aquasant Messtechnik AG
Hauptstrasse 22
CH-4416 Bubendorf

The authorised persons and their symbols can be taken from our **Agreement No COS.PQ. 5507428**.

This certificate is valid during three years and may at request be renewed.

Valid until
01.07.2023

Agreement No.
COS.PQ. 5507428

Wallisellen, 08.09.2020

Head Industry Services

O. von Trzebiatowski

Technical Expert

Pius Odin

Application

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