



Mining And Surface Certification (Pty) Ltd

20 15/021934/07

THIS CERTIFICATE IS ISSUED AS AN I.A. CERTIFICATE IN TERMS OF THE MINE HEALTH AND SAFETY ACT, ACT NO 29 OF 1996 (AND REGULATIONS), THE OCCUPATIONAL HEALTH AND SAFETY ACT (ACT 85 OF 1993) AND REGULATION 17 OF THE ELECTRICAL MACHINERY REGULATIONS

IA CERTIFICATE	MASC S/22-8596 X	Issue	0
Issue Date	07 November 2022	Expiry Date	07 November 2025
** Based on Certificate No	KEMA 03ATEX1497 X	Issue / Variations / Amendment	
Requested by	Pepperl+Fuchs (Pty) Ltd 1st fl Zerwick Forum, 8 Glen Eagle Office Park, Cnr Monument Rd and Braambos St Glen Marais, Kempton Park 1619		
Manufacturer	Pepperl+Fuchs GmbH Königsberger Allee 87, 68307 Namheim Germany		
Description	The continuous magnet-operated immersion probe type LMC-.....-Ex serves to measure the level in tanks of flammable liquids. The continuous magnet-operated immersion probe consists of a float, a sliding tube and a connecting housing that depending on the design can be fitted with separately approved measuring transducer. Ambient temperature range of the connection housing: - 50 °C ... + 60 °C See Base Certificate for Electrical data.		
Equipment	Continuous Magnet-Operated Immersion Probe	Type	LMC-.....-Ex
MARKING: Original marking as per certificate ** remains applicable. IA number must be added.	Type: Ex Marking: IA Number: Warnings:	Continuous Magnet-Operated Immersion Probe; Type LMC-.....-Ex Ex ia IIC T4 ... T6 MASC S/22-8596 X (To be additionally marked on equipment) See Base Certificate ** (original marking must be applied)	
Quality Assurance report (QAR) / Notification (QAN):	"It is a requirement under ATEX that all equipment for category 1 and 2 areas must have 3rd party quality assurance from a notified body. This is accepted to cover the equipment's quality requirements."		
Quality Assurance report (QAR) / Notification (QAN) Expiry date:	07 November 2025		
Compliance: The equipment as described above has been allocated the rating <u>Explosion Protected 'as above'</u> utilizing the SANS/IEC Standards: <ul style="list-style-type: none"> SANS (IEC) 60079-0: 2019 Equipment - General requirements SANS (IEC) 60079-11: 2012 Equipment protection by intrinsic safety "i" <i>Note: This certificate covers only the listed standards and does not imply compliance to any other standard, related or inferred. It is up to the manufacturer to ensure that the product complies to all relevant standards for the application.</i>			
Equipment	<ul style="list-style-type: none"> Refer to Annex A below for more details. 		
Conditions of manufacture:	<ul style="list-style-type: none"> Refer to Annex A below for more details. 		
 C. WELTHAGEN TECHNICAL SPECIALIST		 N. Viljoen TECHNICAL OFFICER	
<small>This certificate covers all units sold as long as the QAR/QAN remains valid. According to the relevant requirements of the MHS Act and the OHS Act, production units of explosion protected equipment are required to comply with third party quality assurance (an approved mark scheme or batch testing by an accredited test laboratory).</small>			

Apparatus in hazardous locations is subject to the following provisions as applicable, which shall be adhered to:
 SANS 10086 requirements;
 Any conditions mentioned in the above certificate;
 Any relevant requirements of the MHS Act;
 Any restrictions and conditions enforced by the chief inspector of mines, principal inspector (Group I equipment) or chief inspector of factories (Group II equipment).

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IA CERTIFICATE: MASC S/22-8596 X
Equipment: Continuous Magnet-Operated Immersion Probe
(Expiry date: 07 November 2025)

ANNEX A

This document is based on and must be read in conjunction with certificate KEMA 03ATEX1497 X.													
Description (According to Base Certificate) **													
"Refer to description in Base Certificate ** (and any applicable schedules/issues/variations)."													
Standard compliance	See Base Certificate **												
Special conditions of safe use ("X")	<ul style="list-style-type: none"> The permissible operating pressure and process temperatures as to be taken from the manufacturer's instructions. The relation between the temperature class, the maximum permissible ambient temperature and the process temperature shall be taken from the following. <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>Temperature Class</th> <th>Ambient temperature connection housing</th> <th>Process Temperature</th> </tr> </thead> <tbody> <tr> <td>T4</td> <td>60 °C</td> <td>100 °C</td> </tr> <tr> <td>T5</td> <td>60 °C</td> <td>65 °C</td> </tr> <tr> <td>T6</td> <td>60 °C</td> <td>50 °C</td> </tr> </tbody> </table>	Temperature Class	Ambient temperature connection housing	Process Temperature	T4	60 °C	100 °C	T5	60 °C	65 °C	T6	60 °C	50 °C
Temperature Class	Ambient temperature connection housing	Process Temperature											
T4	60 °C	100 °C											
T5	60 °C	65 °C											
T6	60 °C	50 °C											
Conditions of manufacture	<ul style="list-style-type: none"> None. 												
Conditions of Certification	<ul style="list-style-type: none"> This IA Certificate covers all units sold from the date of this document to the expiry date of this certificate. As per ARP 0108 a maximum three yearly review is required on this IA Certificate (expiry is determined as per the QAR/QAN/QMS expiry date). The apparatus must be additionally marked with the MASC marking details above. This approval only covers the equipment as certified above and does not include any scheduled additions or variations / amendments / new issues to the certificate(s), made after the above date. The equipment does not need to be re-tested when used on the conditions and with such restrictions as prescribed by the certificate on which this IA Certificate is based and any other conditions in this IA Certificate. The certification on which this IA Certificate is based must remain valid. The extent of the requirements in the ARP 0108 (or regulations), SANS 10108 and any other applicable regulations on the certification of the equipment must remain unchanged. The Ex-quality assurance notification/report for the equipment must remain valid. 												
Conclusion:	<ul style="list-style-type: none"> From the above and the selective examination of the documentation, nothing contrary to the requirements of the applicable standards was found, provided that the equipment / component is used as described in the above document / certificate and according to the MASC conditions below. A MASC IA certificate is issued based on the work done as per the Base Certificate **. The routine tests for production units according to the Base Certificate ** must be complied with (if applicable). 												

This document is issued based on Mining And Surface Certification's Standard Contract terms and conditions available on request.

While every endeavour is made to ensure that a test / assessment / inspection is representative and accurately performed, and that a report / certificate is accurate in the quoted results and conclusions drawn from the test / assessment / inspection, MASC or its directors/employees shall in no way be liable for any error made in carrying out the test / assessment or for any erroneous statement, whether in fact or in opinion, contained in a report / certificate issued pursuant to a test / assessment / inspection.

MASC takes no responsibility for any non-conformances, exclusions or any results / assessments / inspections not in compliance with the standards. By marking the equipment in accordance with the documentation / standard, the manufacturer / applicant attests on his own responsibility that the equipment / installation has been designed and constructed in accordance with the applicable requirements of the relevant standards and documentation, that the routine verifications / routine tests have been correctly completed and the equipment / installation complies with the documentation and standard(s).

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