

IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

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

Certificate No.:

IECEx DEK 15.0020

Issue No: 0

Certificate history:

Issue No. 0 (2015-06-03)

Status:

Current

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Date of Issue:

2015-06-03

Applicant:

Endress+Hauser Conducta GmbH+Co.KG

Dieselstrasse 24 70839 Gerlingen Germany

Electrical Apparatus:

Measuring System Type CYM291

Optional accessory:

Type of Protection:

Ex la

Marking:

Ex ia IIC T4/T3 Ga

Approved for issue on behalf of the IECEx

Certification Body:

M. Erdhuizen

Position:

Signature:

(for printed version)

Date:

Certification Manager

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 the Official IECEx Website.

Certificate issued by:

DEKRA Certification B.V. Meander 1051, 6825 MJ Amhem The Netherlands







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Manufacturer:

Endress+Hauser Conducta GmbH+Co.KG

Dieselstrasse 24 70839 Gerlingen Germany

Additional Manufacturing

location(s):

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 electrical apparatus 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

IEC 60079-26: 2006

Explosive atmospheres - Part 26: Equipment with equipment protection level (EPL) Ga

Edition:2

This Certificate does not indicate compliance with electrical 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 Report:

NL/DEK/ExTR15.0043/00

Quality Assessment Report

DE/BVS/QAR06.0005/06





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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The Measuring System Type CYM291 is a battery powered hand-held electrical equipment for pH, conductivity and temperature measurement for digital sensors. The USB interface is only for use outside of the explosion hazardous area. The ambient temperature range and temperature class depends on the batteries used as follows:

Battery:	Ambient temperature range:	Temperature class:		
Duracell MN1500	-10°C to +40°C	T4		
Energizer E91	-10°C to +50°C	Т3		
Power One 4106	-10°C to +50°C	Т3		
Panasonic Pro Power LR6	-10°C to +50°C	Т3		

CONDITIONS OF CERTIFICATION: NO





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Additional information:

Annex:

NL_DEK_ExTR15_0043_00 Attachment.pdf

Attachment to:

IEČEx DEK 15.0020, DEKRA 15ATEX0028

NL/DEK/ExTR15.0043/00



Test item:

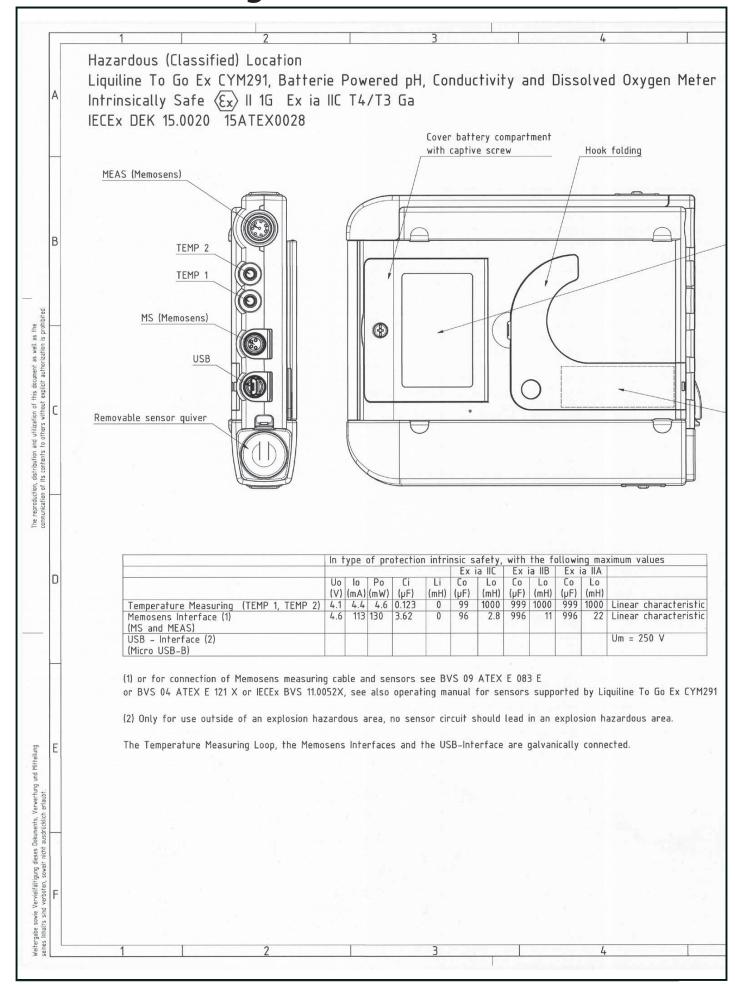
Measuring System Type CYM291



Electrical data

Supply	Only the following batteries may be used: Duracell MN1500 Energizer E91 Power One 4106 Panasonic Pro Power LR6 In type of protection intrinsic safety, with the following maximum values:											
						Ex ia IIC Ex ia IIB		Ex ia IIA				
	U ₀ (V)	I _o (mA)	P _o (m W)	Ci (µF)	Li (mH)	C _o (µF)	L _o (mH)	C₀ (µF)	L _o (mH)	C _o (µF)	L _o (mH)	
Temperature measurement circuit (TEMP1, TEMP2)	4,	4,4	4,6	0,123	0	99	1000	999	1000	999	1000	Linear characteristic
Memosens interface circuit (MS and/or MEAS)	4,	113	130	3,62	0	96	2,8	996	11	996	22	Linear characteristic
USB Interface (micro USB- B)	Um = 250 V											

Control Drawing



Control Drawing

