



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.: **1**

Certificate history:
Issue No. 1 (2016-8-2)
Issue No. 0 (2015-6-3)

Status: **Current**

Date of Issue: **2016-08-02** Page 1 of 4

Applicant: **Endress+Hauser Conducta GmbH+Co.KG**
Dieselstrasse 24
70839 Gerlingen
Germany

Equipment: **Measuring System Type CYM291**
Optional accessory:

Type of Protection: **Ex ia**

Marking: **Ex ia IIC T4/T3 Ga**

Approved for issue on behalf of the IECEx
Certification Body:

R. Schuller

Position:

Certification Manager

Signature:
(for printed version)


2016-08-02

Date:

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](http://www.iecex.com).

Certificate issued by:

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





IECEX Certificate of Conformity

Certificate No.: IECEx DEK 15.0020

Date of Issue: 2016-08-02

Issue No.: 1

Page 2 of 4

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

*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

NL/DEK/ExTR15.0043/01

Quality Assessment Report:

DE/BVS/QAR06.0005/07



IECEX Certificate of Conformity

Certificate No.: IECEX DEK 15.0020

Date of Issue: 2016-08-02

Issue No.: 1

Page 3 of 4

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:

<u>Battery:</u>	<u>Ambient temperature range:</u>	<u>Temperature class:</u>
Duracell MN1500	-10 °C to +40 °C	T4
Energizer E91	-10 °C to +50 °C	T3
Power One 4106	-10 °C to +50 °C	T3
Panasonic Pro Power LR6	-10 °C to +50 °C	T3

For Electrical data see attachment.

Installation instructions

The instructions provided with the product shall be followed in detail to assure safe operation.

CONDITIONS OF CERTIFICATION: NO



IECEx Certificate of Conformity

Certificate No.: IECEx DEK 15.0020

Date of Issue: 2016-08-02

Issue No.: 1

Page 4 of 4

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Modifications of the electronics