



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 CML 17.0130X

Issue No: 0

Certificate history:

Issue No. 0 (2018-08-30)

Status: **Current**

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Date of Issue: **2018-08-30**

Applicant: **Shanghai Rocksensor Automation Co. Ltd**
No. 118 Lane 315 YuanQu Bei Road
North 2/F Bldg 3
Minhang
Shanghai
China

Equipment: **RP1000 Smart Pressure Transmitter**

Optional accessory:

Type of Protection: **Flameproof; Dust**

Marking:

Ex db IIC T4/T5/T6 Gb
Ex tb IIIC T80°C/T95°C/T130°C

*Approved for issue on behalf of the IECEx
Certification Body:*

D R Stubbings MIET

Position:

Technical Director

*Signature:
(for printed version)*

Date:

2018-08-30

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:

Certification Management Limited
Unit 1, Newport Business Park
New Port Road
Ellesmere Port, CH65 4LZ
United Kingdom





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Date of Issue: **2018-08-30** Page 2 of 3

Manufacturer: **Shanghai Rocksensor Automation Co. Ltd**
North 2/F Bldg 3
Minhang
Shanghai
China

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 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 Edition:6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-1 : 2014-06 Edition:7.0	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-31 : 2013 Edition:2	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"

*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:

[GB/CML/ExTR17.0164/00](#)

Quality Assessment Report:

[GB/CML/QAR18.0030/00](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The RP1000 Smart Pressure Transmitter is used to measure and transform the gauge pressure, differential pressure, absolute pressure into 4~20 mA current signal or HART™ signal.
See Annex for detailed description.

SPECIFIC CONDITIONS OF USE: YES as shown below:

i. Contact the original equipment manufacturer for information regarding the flameproof joint dimensions.

ii. The relation between temperature class and process medium temperature is as follows:

Temperature class		Max. process temperature
T4	T130°C	130°C
T5	T90°C	90°C
T6	T80°C	80°C

Annex:

[IECEX 17-0130X Iss 0 Annex.pdf](#)

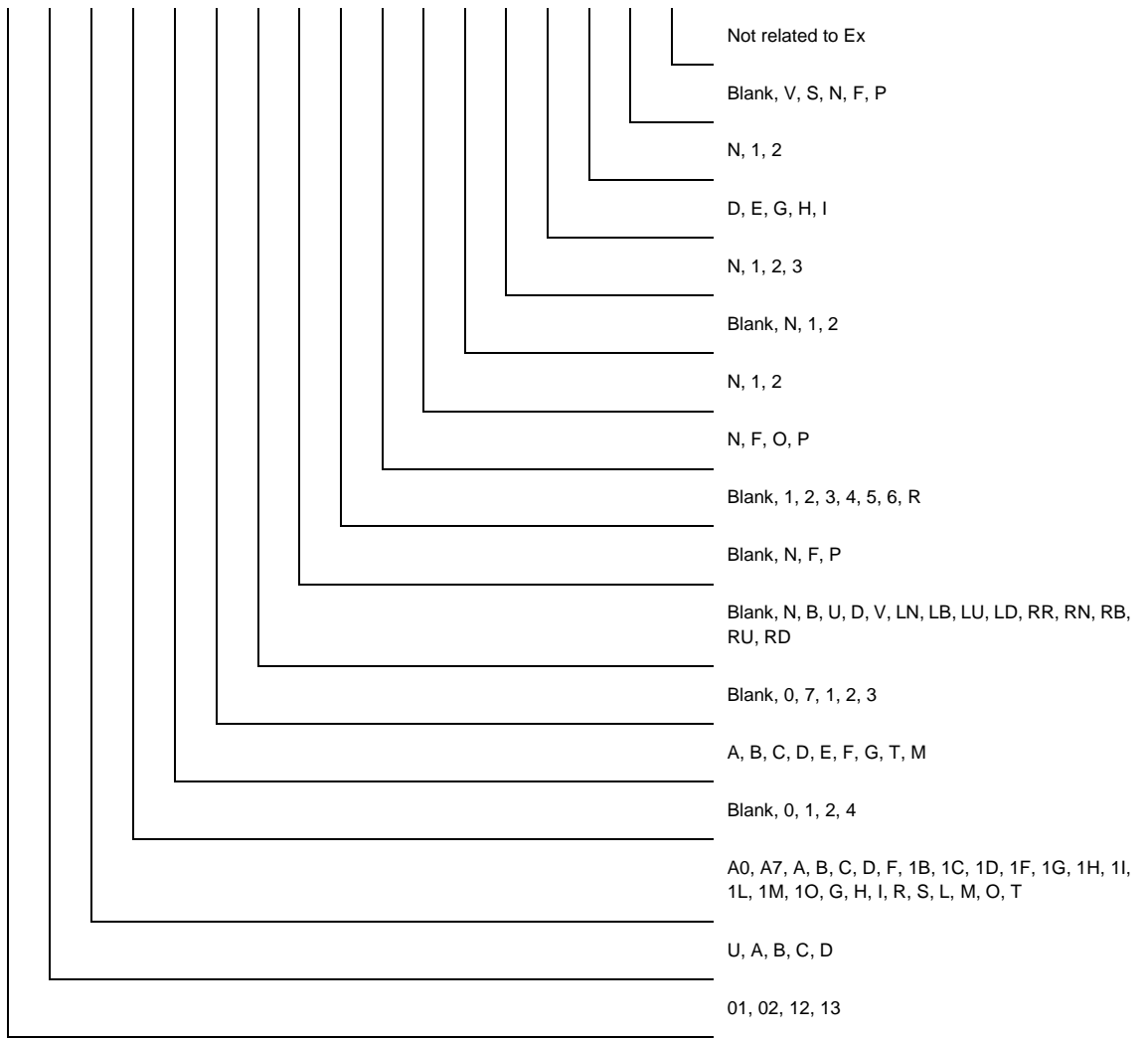
Annexe to: IECEx CML 17.0130X Issue 0
Applicant: Shanghai Rocksensor Automation Co. Ltd
Apparatus: RP1000 Smart Pressure Transmitter



Product Description

The RP1000 Smart Pressure Transmitter is used to measure and transform the gauge pressure, differential pressure, absolute pressure into 4~20 mA current signal or HART™ signal. The transmitter comprises a transmitter body and transmitter module. The transmitter body comprises a housing, manufactured from ADC12 aluminium alloy and either a window cover, short cover or long cover and has two flameproof compartments with electronic boards and terminals inside. The transmitter module is manufactured from stainless steel and contains cemented electronic components in a cement compound and pressure diaphragm capsule.

RP10 * * * * * * * * * * * * * * * * * *



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Rating

Rated voltage 42 V

Conditions of manufacture

None.