



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

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

Certificate No.: **IECEx CCVE 20.0006X** Page 1 of 3 [Certificate history:](#)
Status: **Current** Issue No: 0
Date of Issue: 2020-12-08
Applicant: **OOO NTF BACS**
Prospekt Kirova 10, 443022 Samara
Russian Federation
Equipment: **Process Gas Analyzer "HygroScan-S" KC 50.591-000**
Optional accessory:
Type of Protection: **flameproof enclosures 'd'**
Marking: **Ex db IIC T6 Gb**

Approved for issue on behalf of the IECEx
Certification Body:

Aleksey Kogan

Position:

Deputy head of CB CCVE

Signature:
(for printed version)

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 www.iecex.com or use of this QR Code.



Certificate issued by:

NANIO CCVE
Zavod ECOMASH, VUGI Settlement
Lyubertsy, Moscow region
140004
Russian Federation





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Manufacturer: **OOO NTF BACS**
Prospekt Kirova 10, 443022 Samara
Russian Federation

Additional manufacturing locations: **OOO NTF BACS**
Prospekt Kirova 22, 443022 Samara
Russian Federation

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 equipment 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 60079-0:2017 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

IEC 60079-1:2014-06 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

This Certificate **does not** indicate compliance with 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:

[RU/CCVE/ExTR20.0010/00](#)

Quality Assessment Report:

[RU/CCVE/QAR18.0001/01](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Process Gas analyzer "HygroScan-S" KC 50.591-000 is designed to automatically measure the dew point temperature (DPT) in gas media and calculate the mass concentration of moisture.

Process Gas analyzer "HygroScan-S" KC 50.591-000 is made in the form of a single unit, in which all parts of the analyzer are enclosed in an explosion-proof housing of the "Ex d" type, it also consists of separately certified cable glands, plugs, ventilation devices. The analyzer is designed for continuous automatic operation. The measurement results are displayed on the built-in display and can be transmitted to external devices via communication interfaces. At the same time, an archive of measurement results, a log of events and interventions is saved in the analyzer's memory.

Rated ambient temperature range (°C): $-40\text{ °C} \leq T_a \leq +50\text{ °C}$.

The equipment has been separately tested against the requirements of IEC 60529 and it meets IP66.

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. The flamepaths are not intended to be repaired.
2. «WARNING - AFTER SWITCHING OFF DO NOT OPEN FOR 15 MINUTES»

Components covered by Ex Certificates issued to older editions of Standards - see Annex.

Annex:

[IECEx CCVE 20.0006X annex.pdf](#)

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Annex to IECEx CCVE 20.0006X

Issue No. 0

Components covered by Ex Certificates issued to older editions of Standards

Certificate number	Standards (incl Ed)	Assessment result
IECEX CCVE 18.0014X	IEC 60079-0 (Ed.6.0) (2011) IEC 60079-1 (Ed.7.0) (2014) IEC 60079-15 (Ed.4.0) (2010) IEC 60079-31 (Ed.2.0) (2013) IEC 60079-7 (Ed.5.0) (2015)	No applicable technical differences
IECEX CCVE 17.0004X	IEC 60079-0 (Ed.6.0) (2011) IEC 60079-1 (Ed.7.0) (2014) IEC 60079-15 (Ed.4.0) (2010) IEC 60079-31 (Ed.2.0) (2013) IEC 60079-7 (Ed.5.0) (2015)	No applicable technical differences
IECEX CCVE 16.0008U	IEC 60079-0 (Ed.6.0) (2011) IEC 60079-1 (Ed.7.0) (2014) IEC 60079-31 (Ed.2.0) (2013)	No applicable technical differences
IECEX CCVE 18.0008X	IEC 60079-0 (Ed.6.0) (2011) IEC 60079-1 (Ed.7.0) (2014) IEC 60079-31 (Ed.2.0) (2013)	No applicable technical differences
IECEX CCVE 18.0009X	IEC 60079-0 (Ed.6.0) (2011) IEC 60079-1 (Ed.7.0) (2014) IEC 60079-31 (Ed.2.0) (2013)	No applicable technical differences
IECEX CQM 13.0035U	IEC 60079-0 (Ed.5.0) (2007) IEC 60079-1 (Ed.6.0) (2007)	No applicable technical differences
IECEX LCIE 15.0070U	IEC 60079-0 (Ed.6.0) (2011) IEC 60079-1 (Ed.7.0) (2014) IEC 60079-31 (Ed.2.0) (2013) IEC 60079-7 (Ed.4.0) (2006)	No applicable technical differences
IECEX LCI 08.0011X	IEC 60079-0 (Ed.6.0) (2011) IEC 60079-1 (Ed.6.0) (2007) IEC 60079-31 (Ed.1.0) (2008) IEC 60079-7 (Ed.4.0) (2006)	No applicable technical differences
IECEX INE 16.0014X	IEC 60079-0 (Ed.6.0) (2011) IEC 60079-1 (Ed.7.0) (2014) IEC 60079-31 (Ed.2.0) (2013) IEC 60079-7 (Ed.4.0) (2006)	No applicable technical differences
IECEX INE 11.0017X	IEC 60079-0 (Ed.6.0) (2011) IEC 60079-1 (Ed.6.0) (2007) IEC 60079-31 (Ed.2.0) (2013) IEC 60079-7 (Ed.4.0) (2006)	No applicable technical differences
IECEX EXA 14.0004U	IEC 60079-0 (Ed.6.0) (2011)	No applicable technical

	IEC 60079-1 (Ed.6.0) (2007) IEC 60079-31 (Ed.2.0) (2013) IEC 60079-7 (Ed.4.0) (2006)	differences
IECEX INE 13.0069X	IEC 60079-0 (Ed.6.0) (2011) IEC 60079-1 (Ed.6.0) (2007) IEC 60079-11 (Ed.6.0) (2011) IEC 60079-31 (Ed.2.0) (2013)	No applicable technical differences
IECEX INE 13.0082U	IEC 60079-0 (Ed.6.0) (2011) IEC 60079-1 (Ed.6.0) (2007) IEC 60079-31 (Ed.2.0) (2013)	No applicable technical differences