



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

Certificate No.: IECEx EPS 17.0036

Issue No: 2

Certificate history:

Status: **Current**

Issue No. 2 (2019-03-12)

Issue No. 1 (2017-11-02)

Date of Issue: **2019-03-12**

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Issue No. 0 (2017-06-30)

Applicant: **R. STAHL Schaltgeräte GmbH**  
Am Bahnhof 30  
74638 Waldenburg  
**Germany**

Equipment: **Process gas cooler Type GT5.Ex**

*Optional accessory:*

Type of Protection: **db, tb**

Marking:

Ex db IIC T4 Gb ( $T_{amb} +60^{\circ}C$ )  
Ex tb IIIC T130°C Db ( $T_{amb} +60^{\circ}C$ )  
Ex db IIC T6 Gb ( $T_{amb} +40^{\circ}C$ )  
Ex tb IIIC T80°C Db ( $T_{amb} +40^{\circ}C$ )  
  
Zone 2 version  
Ex db IIC T4 Gc ( $T_{amb} +60^{\circ}C$ )  
Ex tc IIIC T130°C Dc ( $T_{amb} +60^{\circ}C$ )  
Ex db IIC T6 Gc ( $T_{amb} +40^{\circ}C$ )  
Ex tc IIIC T80°C Dc ( $T_{amb} +40^{\circ}C$ )

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

Holger Schaffer

*Position:*

Head of certification

*Signature:  
(for printed version)*

*Date:*

2019-03-12



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:



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Bureau Veritas Consumer Products Services Germany GmbH  
Businesspark A96  
86842 Türkheim  
Germany





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Manufacturer: **R. STAHL Schaltgeräte GmbH**  
Am Bahnhof 30  
74638 Waldenburg  
**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 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:

<b>IEC 60079-0 : 2017</b> Edition:7.0	Explosive atmospheres - Part 0: Equipment - General requirements
<b>IEC 60079-1 : 2014-06</b> Edition:7.0	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
<b>IEC 60079-31 : 2013</b> 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:

[DE/EPS/ExTR17.0035/00](#)

[DE/EPS/ExTR17.0035/01](#)

[DE/EPS/ExTR17.0035/02](#)

#### Quality Assessment Report:

[DE/BVS/QAR10.0002/10](#)



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## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

The GT5 Process Analyzer is designed to safely cool process, measurement and flue gases in gas analyzer technology. The gas to be measured is reliably lowered to a preset temperature / dew point via a 1200 mm stainless steel heat exchanger (spiral shape).

Ambient temperature range: -20°C to +45°C or +60°C

Electrical rating:

85 V AC up to 264 V/AC, 150 VA, 24 V/DC,

Manufacturer of Ex enclosure is R.Stahl

Manufacturer of Process cooler is:

SUN-Control-Analytik GmbH

Pfarrer-Bunk-Straße 21

86637 Wertingen

Germany

**SPECIFIC CONDITIONS OF USE: NO**



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

Addition of new enclosure and different supply versions