



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 BVS 05.0001 issue No.: 1

Certificate history:
Issue No. 1 (2008-6-13)
Issue No. 0 (2005-1-19)

Status: **Current**

Date of Issue: 2008-06-13 Page 1 of 4

Applicant: **R. STAHL HMI Systems GmbH**
Im Gewerbegebiet Pesch 14
50767 Cologne
Germany

Electrical Apparatus: **375 Field Communicator**
Optional accessory:

Type of Protection: **Intrinsic Safety**

Marking: **Ex ia IIC T4**


Approved for issue on behalf of the IECEx
Certification Body:

Dr. R. Jockers

Position:

Head of Certification Body

Signature:
(for printed version)



13.06.2008

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 EXAM GmbH
Dinnendahlstrasse 9
44809 Bochum
Germany

 **DEKRA**
DEKRA EXAM GmbH



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Manufacturer: **R. STAHL HMI Systems GmbH**
Im Gewerbegebiet Pesch 14
50767 Cologne
Germany

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 : 2004 Edition: 4.0	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
IEC 60079-11 : 2006 Edition: 5	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "I"

*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

IECEX ATR:
DE/BVS/ExTR06.0019/00
DE/BVS/ExTR06.0019/01

File Reference:
A 20040614
A 20080365



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Description for issue 0 and 1

The 375 Field Communicator is a hand held, battery powered, portable intrinsically safe apparatus and used to interact with microprocessor-based measurement and actuation field devices in a process environment.

The electrical components are fixed in a plastic enclosure (surface resistance $\leq 10^9 \Omega$).

For the connection of the intrinsically safe field circuits there are connectors at the top of the enclosure (F for Fieldbus applications and H for HART bus applications).

The apparatus is powered by a completely encapsulated battery. For charging of the battery (outside the hazardous area) with a specially designed charger (not part of this examination) there is also a connector at the top side of the enclosure.

Parameters for issue 1

Battery pack

Nominal voltage DC 3.7 V

Capacity 1950 mAh

CONDITIONS OF CERTIFICATION: NO

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

Changes for issue 1

The battery power supply was changed; for charging of the battery (outside the hazardous area) a specially designed charger (see warning marking and manufacturer's instructions) must be used.