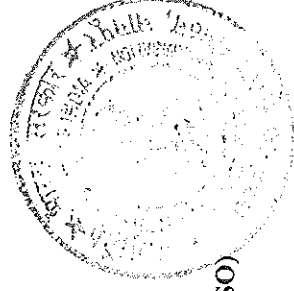




**GOVERNMENT OF INDIA**  
**MINISTRY OF COMMERCE & INDUSTRY**  
**PETROLEUM AND EXPLOSIVES SAFETY ORGANISATION (PESO)**  
(Formerly Department of Explosives)  
**CGO COMPLEX SEMINARY HILLS**  
**NAGPUR 440006**



Letter No: A/P/HQ/MH/104/3838(P349859)  
Email :explosives@explosives.gov.in  
Phone/Fax No.2510248/2510577  
Dated : 15/1/2015

To  
M/s. Rosemount Tank Radar AB,  
Gamlestadvagen 18B  
Goteborgse-40251  
Sweden

**Sub:**Approval of Model 5900 Radar Level Gauge under Petroleum Rules, 2002.

Dear Sir(s),

Please refer to letter No RMT/CCOE/5900/17/00 dated 05/01/2015 from M/s. Emerson Process Management Pvt. Ltd.,Navi Mumbai on the above subject.

The following Intrinsically Safe equipment(s) manufactured by you according to IEC 60079-0 : 2011, IEC 60079-11 : 2011 & IEC 60079-26 : 2006 standards and covered under M/s. FM Approvals LLC, USA Test reports mentioned below is approved for use in **Zone 1** of Gas Group IIC hazardous areas coming under the purview of the Petroleum Rules, 2002 administered by this Organization.

Sr.No	Description	Safety Protection	CCEs Identification Number	Test House	Test Report No.	Drawing Numbers
1	Model 5900 Radar Level Gauge	Ex ia IIC Ga/Gb	P349859/1	M/s. FM Approvals LLC, USA	IECEX FMG 09.0009X {Issue NO.5} Dt.25/03/2014	As per Test report

This Approval is granted subject to observance of the following conditions:-

- 1). The design and construction of the equipment shall be strictly in accordance with description, condition and drawings as mentioned in the M/s. FM Approvals LLC, USA Test Reports referred to above
- 2). The equipment shall be used only with approved type of accessories and associated apparatus
- 3). The equipment shall be used only in conjunction with the approved Intrinsically Safe barriers
- 4). Each equipment shall be marked either by raised lettering cast integrally or by plate attached to the main structure to indicate conspicuously
  - (a) Name of the manufacturer
  - (b) Name and number by which the equipment is identified
  - (c) Number & Date of the test Report of the M/s. FM Approvals LLC, USA applicable to the equipment
  - (d) CCEs Identification Number of this letter by which use of the apparatus is approved
- 5). A certificate to the effect that the equipment has been manufactured strictly in accordance

with the drawing referred to in the M/s. FM Approvals LLC, USA test report and is identical with the one tested and certified at M/s. FM Approvals LLC, USA shall be furnished with each equipment

- 6). The customer shall be supplied the copy of this letter, an extract of the conditions and maintenance schedule, if any recommended by M/s. FM Approvals LLC, USA in their test reports and copy of instructions booklet detailing operation and maintenance of the equipment so as to maintain its Intrinsically Safe safety characteristics
- 7). The After sales service and maintenance of subject equipment shall be looked after by your representative M/s. Emerson Process Management Pvt. Ltd., Plot No. A-145/4 TTC Industrial Area, MIDC Pawane,, Navi Mumbai Maharashtra (State)

This Approval also covers the permissible variation as approved under the M/s. FM Approvals LLC, USA test report referred above .This approval may be deemed to have been revoked with immediate effect at any time, if any of the conditions subject to which approval has been granted is violated or not complied with. The approval may also be amended or withdrawn at any time, if considered necessary in the interest of safety.

The field performance report from actual users /your customers of the subject equipment may please be collected and furnished to this office for verification and record at regular intervals.

This approval is otherwise valid a period of five years from the date of issue.

Yours faithfully,



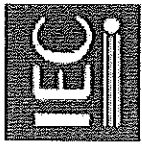
(Dr. Yogesh khare )

Controller of Explosives  
for Chief Controller of Explosives  
Nagpur

Copy to :

1. The Jt. Chief Controller of Explosives, West Circle, Mumbai.
2. M/s. Emerson Process Management Pvt. Ltd., Plot No. A-145/4 TTC Industrial Area, MIDC Pawane,, Navi Mumbai I (Maharashtra)

for Chief Controller of Explosives



# 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 FMG 09.0009X Issue No: 5 Certificate history:  
 Status: Current Issue No. 5 (2014-03-25)  
 Date of issue: 2014-03-25 Issue No. 4 (2013-12-11)  
 Applicant: Rosemount Tank Radar AB Issue No. 3 (2013-11-15)  
 Gamlestadsvägen 18B Issue No. 2 (2010-08-23)  
 GÖTEBORGSE-40251 Issue No. 1 (2010-03-19)  
 Sweden Issue No. 0 (2010-02-22)

Electrical Apparatus: MODEL 5900 Radar Level Gauge

Optional accessory:

Type of Protection: Intrinsically Safe

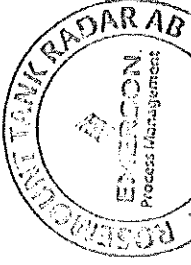
Marking: FISCO: Ex ia IIC Ga/Gb IP66, IP67  
 Entry: Ex ia IIC Ga/Gb IP66, IP67  
 Tamb = -50°C to 80°C

Approved for issue on behalf of the IECEx  
 Certification Body:

Position: J. E. Marquedant  
 Manager, Electrical Systems

Signature:  
 (for printed version)

Date:



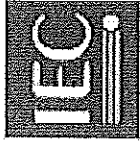
*Technical Dept*  
*Approvals Engineer*

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.

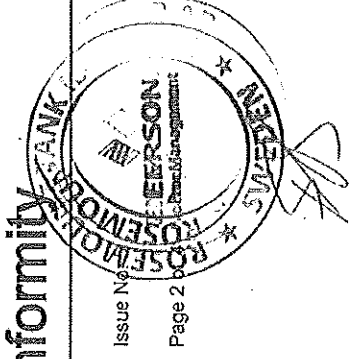
Certificate issued by:

FM Approvals LLC  
 1151 Boston-Providence Turnpike  
 Norwood, MA 02062  
 United States of America





# IECEx Certificate of Conformity



Certificate No:

IECEx FMG 09.0009X

Date of issue:

2014-03-25

Manufacturer:

Rosemount Tank Radar AB  
Garnieledsvägen 18B  
GÖTEBORGS E-40251  
Sweden

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  
Edition:6.0
- IEC 60079-11 : 2011  
Edition:6.0
- IEC 60079-26 : 2006  
Edition:2

Explosive atmospheres - Part 0: General requirements

Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"

Explosive atmospheres - Part 26: Equipment with equipment protection level (EPL) Ga

*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:

US/FMG/EXTR09.0018/00  
US/FMG/EXTR09.0018/03

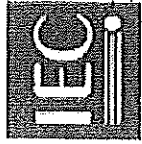
US/FMG/EXTR09.0018/01  
US/FMG/EXTR09.0018/04

US/FMG/EXTR09.0018/02  
US/FMG/EXTR09.0018/05

Quality Assessment Report:

NO/DNV/QAR07.0007/00





# IECEx Certificate of Conformity

Certificate No:

IECEx FMG 09.0009X

Issue No: 5

Date of issue:

2014-03-25

Page 4 of 4

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

Drawing 9240040-946 changed from rev 2 to rev 3. Additional coating materials added to drawing.

