EXPLOSION PROTECTION
CERTIFICATE OF CONFORMITY

Cert NO.GYJ12.1042X

This is to certify that the product

Variable area flow meter

manufactured by KROHNE Messtechnik GmbH

(Address:Ludwig - Krohne Strasse 5, Duisburg, Germany)

which model is H250 Series

Ex marking Ex nA Ⅱ C T1~T6 Gc

product standard /

drawing number APPR GD 821012-08

has been inspected and certified by NEPSI, and that it conforms to GB 3836.1-2010,GB 3836.8-2003

This Approval shall remain in force until 2017.05.12

Remarks
1.Conditions for safe use are specified in the attachment to this certificate.
2.Symbol "X" placed after the certification number denotes specific conditions of use, which are specified in the attachment to this certificate.
3.Model designation is speicfied in the attachment to this certificate.

Director

National Supervision and Inspection Centre for Explosion Protection and Safety of Instrumentation

Issued Date 2012.05.13

This Certificate is valid for products compatible with the documents and samples approved by NEPSI.

103 Cao Bao Road
Shanghai 200233, China
http://www.nepsi.org.cn
Email: info@nepsi.org.cn
Tel: +86 21 64368180
Fax: +86 21 64844580

Attachment Ⅰ to GYJ12.1042X

[Variation Ⅰ]

H250 Series Variable area flow meter and indicator unit, manufactured by Krohne Messtechnik GmbH has been certified National Supervision and Inspection Center for Explosion Protection and Safety of Instrumentation (NEPSI).

Variable area flow meter and indicator unit accords with following standards:

GB 3836.1-2010 Explosive atmospheres Part 1: Equipment-General requirements

GB 3836.8-2003 Electrical apparatus for explosive gas atmospheres- Part 8: Type of protection "n"

Variable area flow meter and indicator unit has the Ex-marking Ex nA Ⅱ C T1~T6 Gc.

Following products are covered by this certificate.

H250 *a b c d e f g* –Ex-*h*

a: Blank、H、U

b: RR、C、HC、Hi、F

c: Blank、B

d: M40、M40S、M40R、M40T

e: Blank、HT

f: ESK

g: K1、K2、R1、R2

h: SE、SK

1. Special condition for safe use

Symbol "X" denotes special condition for safe use: potential electrostatic charging hazard-see instructions; The earth connection shall be connected to the equipotential bonding system.

2. Condition for safe use

2.1 The ambient temperature of variable area flow meter and indicator unit is (-40～+65) ℃。

2.2 The maximum temperature of process medium of variable area flow meter and indicator unit is (-40～+300)℃。

2.3 The relation among temperature class, ambient temperature and maximum temperature of process medium is listed in the instruction manual MA H250/M40-Ex-II2G-AD R01 en 08/2011.

2.4 Cable gland and blanking plug, certified to GB 3836.1-2010 and GB 3836.8-2003 with IP54 degree of protection shall be used.

2.5 End users is not permitted to change any components insides.

2.6When installation, use and maintenance of variable area flow meter and indicator unit, observe following standards.

GB3836.13-1997 Electrical apparatus for explosive gas atmospheres Part 13:Repair and overhaul for apparatus used in explosive gas atmospheres

GB3836.15-2000 Electrical apparatus for explosive gas atmospheres Part 15:Electrical installations in hazardous area (other than mines)

GB 3836.16-2006 Electrical apparatus for explosive gas atmospheres – Part 16: Inspection and maintenance of electrical installation in hazardous areas (other than mines)

GB 50257:1996 Code for construction and acceptance of electric device for explosion atmospheres and fire hazard electrical equipment installation engineering

3. Manufacturer's Responsibility

3.1Special condition for safe use specified above should be included in the instruction manual.

3.2Manufacturing should be done according to the documentation approved by NEPSI.

3.3Any modification with influence on the type of protection should be submitted to NEPSI before application.

3.4Following items should be added to the nameplate

a) NEPSI log
b) Ex marking
c) Number of certificate
d) Ambient temperature range

National Supervision and Inspection Center
for Explosion Protection and Safety of Instrumentation
May 13th,2012