CERTIFICATE OF CONFORMITY



- 1. HAZARDOUS LOCATION ELECTRICAL EQUIPMENT PER CANADIAN REQUIREMENTS
- 2. **Certificate No:**

3. **Equipment:** (Type Reference and Name) FM19CA0048

Listing - 1

H250/M40 a25bcdefghijklmnopgrstuvwxyz, Flowmeter

H250/M40 aG20bcdefghijklmnopgrstuvwx, Flowmeter Listing - 3

H250/M40 a25bcdefghijklmnopgrstuvwxyz, Flowmeter

H250/M40 aG20bcdefghijklmnopqrstuvwx, Flowmeter

H250/M40 a25bcdefghijklmnopgrstuvwxyz, Flowmeter

H250/M40 aG20bcdefghijklmnopgrstuvwx, Flowmeter

H250/M40 a25bcdefghijklmnopqrstuvwxyz, Flowmeter

H250/M40 aG20bcdefghijklmnopqrstuvwx, Flowmeter Listing - 9

H250/M40 a25bcdefghijklmnopqrstuvwxyz, Flowmeter Listina - 10

H250/M40 aG20bcdefghijklmnopqrstuvwx, Flowmeter

Name of Listing Company: 4.

5. **Address of Listing Company:** Krohne Messtechnik GmbH

Ludwig Krohne Strasse 5 Duisburg D-47058

The examination and test results are recorded in confidential report number: 6.

3047703 dated 23rd September 2013

Germany

Certificate issued by:

J,/E. Marquedant

VP, Manager - Electrical Systems

8 December 2020

Date

To verify the availability of the Approved product, please refer to www.approvalguide.com

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7. FM Approvals LLC, certifies that the equipment described has been found to comply with the following Approval standards and other documents:

CAN/CSA C22.2 No. 0-M91:R2006, CSA-C22.2 No. 0.4:R2013, CSA-C22.2 No. 0.5:R2012, CSA-C22.2 No. 25:R2014, CSA-C22.2 No. 94:R2011, CAN/CSA C22.2 No. 157-92:R2006, CAN/CSA C22.2 No. 213-M1987:R2008, CSA-C22.2 No. 60529:R2005, CAN/CSA-C22.2 No. 60079-0:2011, CAN/CSA-C22.2 No. 60079-11:2006, CAN/CSA-C22.2 No. 60079-15:2006, CAN/CSA-C22.2 No. 61010-1:2009

- 8. If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to specific conditions of use specified in the schedule to this certificate.
- 9. This certificate relates to the design, examination and testing of the products specified herein. The FM Approvals surveillance audit program has further determined that the manufacturing processes and quality control procedures in place are satisfactory to manufacture the product as examined, tested and Approved.
- 10. Equipment Ratings:

Listing - 1, Listing - 2

Intrinsically Safe for Class I, Division 1, Groups A, B, C and D hazardous locations in accordance with drawing APPR_GD_821070-01; Intrinsically Safe for Class I, Zone 1, Group IIC hazardous locations in accordance with drawing APPR_GD_821070-01, with an ambient temperature rating of -40°C to +65°C.

Listing – 3, Listing – 4

Intrinsically Safe for Class I, Division 1, Groups A, B, C and D hazardous locations in accordance with drawing APPR_GD_821070-02; Intrinsically Safe for Class I, Zone 1, Group IIC hazardous locations in accordance with drawing APPR_GD_821070-02, with an ambient temperature rating of -40°C to +65°C.

Listing – 5, Listing – 6

Intrinsically Safe for Class I, Division 1, Groups A, B, C and D hazardous locations in accordance with drawing APPR_GD_821070-03; Intrinsically Safe for Class I, Zone 1, Group IIC hazardous locations in accordance with drawing APPR_GD_821070-03, with an ambient temperature rating of -40°C to +65°C.

Listina - 7. Listina - 8

Intrinsically Safe for Class I, Division 1, Groups A, B, C and D hazardous locations in accordance with drawing APPR_GD_821070-04; Intrinsically Safe for Class I, Zone 1, Group IIC hazardous locations in accordance with drawing APPR GD 821070-04, with an ambient temperature rating of -40°C to +65°C.

Listing - 9, Listing - 10

Nonincendive for Class I, Division 2, Groups A, B, C, and D hazardous locations; Dust-Ignitionproof for Class II and III, Division 2, Groups E, F and G hazardous locations; Non-sparking for Class I, Zone 2, Group IIC hazardous (classified) locations, indoors and outdoors IP66, IP68, Type 4X and Type 6 with an ambient temperature rating of -40°C to +65°C.

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11. The marking of the equipment shall include:

Listing - 1, Listing - 2

H250/M40 a25bcdefghijklmnopqrstuvwxyz, Flowmeter H250/M40 aG20bcdefghijklmnopqrstuvwx, Flowmeter Class I, Division 1, Groups A, B, C and D; T6 Zone 1[0], Ex ia [ia Ga] IIC T6 Gb Control Drawing APPR GD 821070-01 Tamb = -40°C to +65°C;

Listing - 3, Listing - 4

H250/M40 a25bcdefghijklmnopqrstuvwxyz, Flowmeter H250/M40 aG20bcdefghijklmnopqrstuvwx, Flowmeter Class I, Division 1, Groups A, B, C and D; T6 Zone 1[0], Ex ia [ia Ga] IIC T6 Gb Control Drawing APPR GD 821070-02 Tamb = -40°C to +65°C;

Listing - 5, Listing - 6

H250/M40 a25bcdefghijklmnopqrstuvwxyz, Flowmeter H250/M40 aG20bcdefghijklmnopqrstuvwx, Flowmeter Class I, Division 1, Groups A, B, C and D; T6 Zone 1[0], Ex ia [ia Ga] IIC T6 Gb Control Drawing APPR GD 821070-03 Tamb = -40°C to +65°C;

Listing - 7, Listing - 8

H250/M40 a25bcdefghijklmnopqrstuvwxyz, Flowmeter H250/M40 aG20bcdefghijklmnopqrstuvwx, Flowmeter Class I, Division 1, Groups A, B, C and D; T6 Zone 1[0], Ex ia [ia Ga] IIC T6 Gb Control Drawing APPR GD 821070-03 Tamb = -40°C to +65°C;

Listing - 9, Listing 10

H250/M40 a25bcdefghijklmnopqrstuvwxyz, Flowmeter H250/M40 aG20bcdefghijklmnopqrstuvwx, Flowmeter Class I, Division 2, Groups A, B, C and D; T6 Class II, III, Division 2, Groups E, F and G; T6 Zone 2, Ex nA IIC T6 Gb Ta = -40°C to +65°C; Type 4X, Type 6, IP66 and IP68

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12. Description of Equipment:

General - The H250/M40 Flow Meter is designed for direct recording and display of the flow rate of flammable and nonflammable gases and liquids. All signal outputs are available in 4 to 20 mA, HART, and NAMUR communications.

Construction - The H250/M40 Flow Meter electronic enclosure is made of aluminum or stainless steel for IS versions and uses the MH040 housing for NI versions. Both the IS and NI versions of the device use the H250 flowtube and guided floats.

Ratings - The H250/M40 Flow Meters operate with the following electrical parameters:

Indicator M40 ESK4; Terminal 11, 12

Current Loop:

 $Ui \le 30Vdc$; $Ii \le 130mA$; $Pi \le 1W$; Ci = 0nF; $Li \le 0.01mH$

Indicator M40 ESK4-T; Terminal 1, 2 resp. 4, 5

Binary Output 1 & 2 (NAMUR):

Ui \leq 30Vdc; Ii \leq 130mA; Pi \leq 1W; Ci \leq 10nF; Li \leq 0.1mH

Indicator M40 ESK4-T; Terminal 1, 3 resp. 4, 6

Binary Output 1 & 2 (OC):

Ui \leq 30Vdc; li \leq 130mA; Pi \leq 1W; Ci \leq 10nF; Li = 0mH

Indicator M40 ESK4-T; Terminal 7, 8

Binary Input:

Ui \leq 30Vdc; li \leq 130mA; Pi \leq 1W; Ci \leq 10nF; Li = 0mH

Indicator M40R; Terminal 1, 2 resp. 4, 5

Limit Switch:

Ui \leq 30Vdc; Ii \leq 100mA; Pi \leq 1W; Ci = 0nF; Li = 0mH

Indicator M40 K.; Terminal 1, 2 resp. 4, 5

Limit switch NAMUR:

SC3,5-NO-Y...

Ui ≤ 16Vdc; Ii ≤ 25mA; Pi ≤ 34mW; Ci ≤ 150nF; Li = 150 μ H

SJ3,5-SN

Ui \leq 16Vdc; Ii \leq 25mA; Pi \leq 34mW; Ci \leq 30nF; Li = 100 μ H

SJ3,5-S1N

Ui ≤ 16Vdc; Ii ≤ 25mA; Pi ≤ 34mW; Ci ≤ 30nF; Li = 100μ H

17S23.5-N

Ui ≤ 16Vdc; Ii ≤ 25mA; Pi ≤ 34mW; Ci ≤ 150nF; Li = 150 μ H

Indicator M40 ESK4-FF / ESK4-PA; Terminal D, D- FISCO:

Ui \leq 24Vdc; Ii \leq 380mA; Pi \leq 5.32W; Ci = 0nF; Li = 0mH

All other protection techniques, the electronic connection has the following values:

Indicator M40 ESK4 with signal output ESK4:

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U = 14 - 32V; I = 4...20mA

Indicator M40 ESK4-T with signal output ESK4 and module I/O:

U = 14 - 32V; I = 4...20mA U = 8 - 32V; I = 1...100mA $U = 8V; I \le 1 / \ge 3mA$ $U = 8 - 32V; I \le 2mA$

Indicator M40 ESK4-FF / ESK4-PA:

U = 9 - 32V; I = 16mA

Indicator M40 K:

U = 8V; I ≤ 1 / ≥3mA

Indicator M40 R:

U = 24V; I ≤ 100mA

The H250/M40 Flow Meters are rated for use in an ambient temperature range of -40°C to +65°C. The H250/M40 Flow Meters are rated for use in a process temperature range of -40°C to +300°C.

Listing - 1

H250/M40 a25bcdefghijklmnopqrstuvwxyz, Flowmeter

Entity Parameters:

Current Loop

Ui \leq 30Vdc, Ii \leq 130mA, Pi \leq 1W, Li \leq 0.01mH, Ci = 0

Binary Output 1 and/or 2

 $U_i \le 16 \text{Vdc}$; $I_i \le 52 \text{mA}$; $P_i \le 169 \text{mW}$

Limit Switch	Type Code Option	C _i (nF)	L _i (µH)
SC3,5-NO-Y	k = 1, 2 or 3	150	150
SJ3,5-SN	k = A, B or C	30	100
SJ3,5-S1N	k = E or F	30	100
I7S23,5-N	k = 5, 6 or 7	150	150

a = Sensor series: V or S

b = Nominal size: 1,2,3,4 or 5

c = Configuration: 4 or 9

d = Process connection: 1,2,3,4,5,6,7,8,A,B,C,D,E,F,G,H,K,L,M,N,P,R,S,T,U,V,W,X, Y or Z

e = Pressure rating: 0,1,2,3,4,7,8,A,B,C,D,G,H,K, L,M,N,P,R,S or V

f = Flange facing: 0,1,3,5,6,7,8,A,C,D,E,F,G,H,L,M,N,P,R,S,U or V

g = Cone: 1,2,3,4,5,6,7,8,A,G,H,K,L,M,N,P or R

h = Float:1,2,3,4,5,6,A,B,C,D,E,F,G,H,K,L,M,N,P,R,S,T,U,V,W,X,Y or Z

i = Heating jacket: 0,1,2,3,4 or 5 j = Indication: E,F,G,H,K or L

k = Limit switch: 0,1,2,3,5,6,7,A,B,C,E or F

I = Output: 0,8, or C m = Approval: A

n =Options Indication: 0,2,3,A,B or C

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o = Identification: 0,1,2,A,B,C,L,M,N or P p = Certificate of compliance: 0 or 1

q = Confirmation of accuracy: 0,1,2,3,4,5,6 or 7 r = Pressure- / leakage test: 0,5,6,7,A,B,F,G or H

s = Material test / -certification: 0,1,2,5,6,F,G,H,L,N or P

t = Dye penetration test: 0,1 or A

u = Radiographic examination: 0,1 or A

v = Hardness test: 0 or 1

w = Cleaning: 0,1,3,7,A,E,G,K,L,N or P

x = Design: 0 or B

y = Flow direction: 0,1,2,3,4 or 5

z = Manual: 0,1,3 or 4

Listing - 2

H250/M40 aG20bcdefghijklmnopqrstuvwx, Flowmeter

Entity Parameters:

Current Loop

Ui \leq 30Vdc, Ii \leq 130mA, Pi \leq 1W, Li \leq 0.01mH, Ci = 0

Binary Output 1 or 2

 $U_i \le 16Vdc$; $I_i \le 52mA$; $P_i \le 169mW$

Limit Switch	Type Code Option	C _i (nF)	L _i (µH)
SC3,5-NO-Y	i = 1, 2 or 3	150	150
SJ3,5-SN	i = A, B or C	30	100
SJ3,5-S1N	i = E or F	30	100
17S23,5-N	i = 5, 6 or 7	150	150



- a = Sensor series: V or S
- b = Configuration: 4 or 9
- c = Material of liner and float: 2,4,A or C
- d = Nominal size / process connection: 1,2,4,5,6,7,A,C,E,F,H or K
- e = Pressure rating: 1,2,B or C
- f = Flange facing: 1 or A
- g = Float: 2,3,4,5,6,7,8,A,B,C,D,E,G,H,K,L,N,P or S

 $\dot{h} = 0$

i = Indication: E,F,G,H,K or L

j = Limit switch: 0, 1, 2, 3, 5, 6, 7, A, B, C, E or F

k = Output: 0,8,or C I = Approval: A

m = Options Indication: 0, 2, 3, A, B or C

n = Identification: 0, 1, 2, A, B, C, L, M, N or P

o = Certificate of compliance: 0 or 1

p = Confirmation of accuracy: 0,1,2,3,4,5,6 or 7

q = Pressure- / leakage test: 0,5, A or F

r = Material test / -certification: 0,1,2,5, 6, F, G or H

s = Dye penetration test (PT): 0

t = Radiographic examination (RT): 0

u = Hardness test: 0 or 1

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v = Cleaning acc. manufacturer standard: 0

w = Design: 0 or B x = Manual: 0,1,3 or 4

Listing - 3

H250/M40 a25bcdefghijklmnopgrstuvwxyz, Flowmeter

Entity Parameters:

Current Loop

Ui \leq 30Vdc, Ii \leq 130mA, Pi \leq 1W, Li \leq 0.01mH, Ci = 0

Binary Output 1 and/or 2

 $Ui \le 30Vdc$, $Ii \le 100mA$, $Pi \le 1W$, Li = 0, Ci = 0

a = Sensor series: V or S

b = Nominal size: 1,2,3,4 or 5

c = Configuration: 4 or 9

d = Process connection: 1,2,3,4,5,6,7,8,A,B,C,D,E,F,G,H,K,L,M,N,P,R,S,T,U,V,W,X,Y or Z

e = Pressure rating: 0,1,2,3,4,7,8,A,B,C,D,G,H,K, L,M,N,P,R,S or V f = Flange facing: 0,1,3,5,6,7,8,A,C,D,E,F,G,H,L,M,N,P,R,S,U or V

g = Cone: 1,2,3,4,5,6,7,8,A,G,H,K,L,M,N,P or R

h = Float:1,2,3,4,5,6,A,B,C,D,E,F,G,H,K,L,M,N,P,R,S,T,U,V,W,X,Y or Z

i = Heating jacket: 0,1,2,3,4 or 5 j = Indication: E,F,G,H,K or L

k = Limit switch: S,T or U

I = Output: 0,8,or C

m = Approval: A

n =Options Indication: 0,2,3,A,B or C o = Identification: 0,1,2,A,B,C,L,M,N or P

p = Certificate of compliance: 0 or 1

q = Confirmation of accuracy: 0,1,2,3,4,5,6 or 7 r = Pressure- / leakage test: 0,5,6,7,A,B,F,G or H

s = Material test / -certification: 0,1,2,5,6,F,G,H,L,N or P

t = Dye penetration test: 0,1 or A

u = Radiographic examination: 0,1 or A

v = Hardness test: 0 or 1

w = Cleaning: 0,1,3,7,A,E,G,K,L,N or P

x = Design: 0 or B

y = Flow direction: 0,1,2,3,4 or 5

z = Manual: 0,1,3 or 4

Listing - 4

H250/M40 aG20bcdefghijklmnopgrstuvwx, Flowmeter

Entity Parameters:

Current Loop

Ui \leq 30Vdc, Ii \leq 130mA, Pi \leq 1W, Li \leq 0.01mH, Ci = 0

Binary Output 1 and/or 2

 $Ui \le 30Vdc$, $Ii \le 100mA$, $Pi \le 1W$, Li = 0, Ci = 0

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a = Sensor series: V or S b = Configuration: 4 or 9

c = Material of liner and float: 2,4,A or C

d = Nominal size / process connection: 1,2,4,5,6,7,A,C,E,F,H or K

e = Pressure rating: 1,2,B or C f = Flange facing: 1 or A

g = Float: 2,3,4,5,6,7,8,A,B,C,D,E,G,H,K,L,N,P or S

h = 0

i = Indication: E,F,G,H,K or L
j = Limit switch: S,T or U
k = Output: 0,8 or C
I = Approval: A

m = Options Indication: 0, 2, 3, A, B or C n = Identification: 0, 1, 2, A, B, C, L, M, N or P

o = Certificate of compliance: 0 or 1

p = Confirmation of accuracy: 0,1,2,3,4,5,6 or 7

q = Pressure- / leakage test: 0,5, A or F

r = Material test / -certification: 0,1,2,5, 6, F, G or H

s = Dye penetration test (PT): 0t = Radiographic examination (RT): 0

u = Hardness test: 0 or 1

v = Cleaning acc. manufacturer standard: 0

w = Design: 0 or Bx = Manual: 0,1,3 or 4

Listing - 5

H250/M40 a25bcdefghijklmnopgrstuvwxyz, Flowmeter

Entity Parameters:

Current Loop

Ui \leq 30Vdc, Ii \leq 130mA, Pi \leq 1W, Li \leq 0.01mH, Ci = 0

Binary Output 1 and/or 2

 $Ui \le 30Vdc$, $Ii \le 130mA$, $Pi \le 1W$, Li = 0, $Ci \le 10nF$

Binary Input

 $Ui \le 30Vdc$, $Ii \le 130mA$, $Pi \le 1W$, Li = 0, $Ci \le 10nF$

a = Sensor series: V or S b = Nominal size: 1,2,3,4 or 5

c = Configuration: 4 or 9

d = Process connection: 1,2,3,4,5,6,7,8,A,B,C,D,E,F,G,H,K,L,M,N,P,R,S,T,U,V,W,X,Y or Z

e = Pressure rating: 0,1,2,3,4,7,8,A,B,C,D,G,H,K, L,M,N,P,R,S or V f = Flange facing: 0,1,3,5,6,7,8,A,C,D,E,F,G,H,L,M,N,P,R,S,U or V

g = Cone: 1,2,3,4,5,6,7,8,A,G,H,K,L,M,N,P or R

h = Float:1,2,3,4,5,6,7,8,A,B,C,D,E,F,G,H,K,L,M,N,P,R,S,T,U,V,W,X,Y or Z

i = Heating jacket: 0,1,2,3,4 or 5 j = Indication: E,F,G,H,K or L

k = Limit switch: 0

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I = Output: 0,8,C or D m = Approval: A

n =Options Indication: 0.2.3.A.B or C

o = Identification: 0,1,2,A,B,C,L,M,N or P

p = Certificate of compliance: 0 or 1

q = Confirmation of accuracy: 0,1,2,3,4,5,6 or 7 r = Pressure- / leakage test: 0,5,6,7,A,B,F,G or H

s = Material test / -certification: 0,1,2,5,6,F,G,H,L,N or P

t = Dye penetration test: 0,1 or A

u = Radiographic examination: 0,1 or A

v = Hardness test: 0 or 1

w = Cleaning: 0,1,3,7,A,E,G,K,L,N or P

x = Design: 0 or B

y = Flow direction: 0,1,2,3,4 or 5

z = Manual: 0.1.3 or 4

Listing - 6

H250/M40 aG20bcdefghijklmnopgrstuvwx, Flowmeter

Entity Parameters:

Current Loop

Ui \leq 30Vdc, Ii \leq 130mA, Pi \leq 1W, Li \leq 0.01mH, Ci = 0

Binary Output 1 and/or 2

 $Ui \le 30Vdc$, $Ii \le 130mA$, $Pi \le 1W$, Li = 0, $Ci \le 10nF$

Binary Input

 $Ui \le 30Vdc$. $Ii \le 130mA$. $Pi \le 1W$. Li = 0. $Ci \le 10nF$

a = Sensor series: V or S

b = Configuration: 4 or 9

c = Material of liner and float: 2,4,A or C

d = Nominal size / process connection: 1,2,4,5,6,7,A,C,E,F,H or K

e = Pressure rating: 1,2,B or C

f = Flange facing: 1 or A

g = Float: 2,3,4,5,6,7,8,A,B,C,D,E,G,H,K,L,N,P or S

h = 0

i = Indication: E,F,G,H,K or L

j = Limit switch: 0

k = Output: 0,8,C or D

I = Approvals: A

m = Options Indication: 0, 2, 3, A, B or C

n = Identification: 0, 1, 2, A, B, C, L, M, N or P

o = Certificate of compliance: 0 or 1

p = Confirmation of accuracy: 0,1,2,3,4,5,6 or 7

q = Pressure- / leakage test: 0,5, A or F

r = Material test / -certification: 0,1,2,5, 6, F, G or H

s = Dye penetration test (PT): 0

t = Radiographic examination (RT): 0

u = Hardness test: 0 or 1

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v = Cleaning acc. manufacturer standard: 0

w = Design: 0 or B x = Manual: 0,1,3 or 4

Listing - 7

H250/M40 a25bcdefghijklmnopgrstuvwxyz, Flowmeter

Entity Parameters:

 $Ui \le 24Vdc$, $Ii \le 380mA$, $Pi \le 5.32W$, Li = 0, Ci = 0

a = Sensor series: V or S

b = Nominal size: 1,2,3,4 or 5

c = Configuration: 4 or 9

d = Process connection: 1,2,3,4,5,6,7,8,A,B,C,D,E,F,G,H,K,L,M,N,P,R,S,T,U,V,W,X Y or Z

e = Pressure rating: 0,1,2,3,4,7,8,A,B,C,D,G,H,K, L,M,N,P,R,S or V

f = Flange facing: 0,1,3,5,6,7,8,A,C,D,E,F,G,H,L,M,N,P,R,S,U or V

g = Cone: 1,2,3,4,5,6,7,8,A,G,H,K,L,M,N,P or R

h = Float:1,2,3,4,5,6,7,8,A,B,C,D,E,F,G,H,K,L,M,N,P,R,S,T,U,V,W,X,Y or Z

i = Heating jacket: 0,1,2,3,4 or 5 j = Indication: E,F,G,H,K or L

k = Limit switch: 0 I = Output: E or F m = Approval: A

n = Options Indication: 0,2,3,A,B or C o = Identification: 0,1,2,A,B,C,L,M,N or P

p = Certificate of compliance: 0 or 1

q = Confirmation of accuracy: 0,1,2,3,4,5,6 or 7 r = Pressure- / leakage test: 0,5,6,7,A,B,F,G or H s = Material test / -certification: 0,1,2,5,6,F,G,H,L,N or P

t = Dye penetration test: 0,1 or A u = Radiographic examination: 0,1 or A

v = Hardness test: 0 or 1

w = Cleaning: 0,1,3,7,A,E,G,K,L,N or P

x = Design: 0 or B

y = Flow direction: 0,1,2,3,4 or 5

z = Manual: 0,1,3 or 4

Listing - 8

H250/M40 aG20bcdefghijklmnopqrstuvwx, Flowmeter

Entity Parameters:

Ui \leq 24Vdc, Ii \leq 380mA, Pi \leq 5.32W, Li = 0, Ci = 0

a = Sensor series: V or S b = Configuration: 4 or 9

c = Material of liner and float: 2,4,A or C

d = Nominal size / process connection: 1,2,4,5,6,7,A,C,E,F,H or K

e = Pressure rating: 1,2,B or C f = Flange facing: 1 or A

g = Float: 2,3,4,5,6,7,8,A,B,C,D,E,G,H,K,L,N,P or S

THIS CERTIFICATE MAY ONLY BE REPRODUCED IN ITS ENTIRETY AND WITHOUT CHANGE

FM Approvals LLC. 1151 Boston-Providence Turnpike, Norwood, MA 02062 USA
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h = 0

i = Indication: E,F,G,H,K or L

j = Limit switch: 0 k = Output:, E or F l = Approval: A

m = Options Indication: 0, 2, 3, A, B or C

n Identification: 0, 1, 2, A, B, C, L, M, N or P

o = Certificate of compliance: 0 or 1

p = Confirmation of accuracy: 0,1,2,3,4,5,6 or 7

q = Pressure- / leakage test: 0,5, A or F

r = Material test / -certification: 0,1,2,5, 6, F, G or H

s = Dye penetration test (PT): 0 t = Radiographic examination (RT): 0

u = Hardness test: 0 or 1

v = Cleaning acc. manufacturer standard: 0

w = Design: 0 or B x = Manual: 0, 1, 3 or 4

Listing - 9

H250/M40 a25bcdefghijklmnopqrstuvwxyz, Flowmeter

a = Sensor series: V or S b = Nominal size: 1,2,3,4 or 5

c = Configuration: 4 or 9

d = Process connection: 1,2,3,4,5,6,7,8,A,B,C,D,E,F,G,H,K,L,M,N,P,R,S,T,U,V,W,X,Y or Z

e = Pressure rating: 0,1,2,3,4,7,8,A,B,C,D,G,H,K, L,M,N,P,R,S or V

f = Flange facing: 0,1,3,5,6,7,8,A,C,D,E,F,G,H,L,M,N,P,R,S,U or V

g = Cone: 1,2,3,4,5,6,7,8,A,G,H,K,L,M,N,P or R

h = Float:1,2,3,4,5,6,7,8,A,B,C,D,E,F,G,H,K,L,M,N,P,R,S,T,U,V,W,X,Y or Z

i = Heating jacket: 0,1,2,3,4 or 5 j = Indication: E,F,G,H,K or L

k = Limit switch: 0,1,2,3,5,6,7,A,B,C,E,F,S,T or U

I = Output: 0.8, C, D, E or F

m = Approval: E

n=Options Indication: 0,2,3,A,B or C o = Identification: 0,1,2,A,B,C,L,M,N or P

p = Certificate of compliance: 0 or 1

q = Confirmation of accuracy: 0,1,2,3,4,5,6 or 7 r = Pressure- / leakage test: 0,5,6,7,A,B,F,G or H

s = Material test / -certification: 0,1,2,5,6,F,G,H,L,N or P

t = Dye penetration test: 0,1 or A

u = Radiographic examination: 0,1 or A

v = Hardness test: 0 or 1

w = Cleaning: 0,1,3,7,A,E,G,K,L,N or P

x = Design: 0 or B

y = Flow direction: 0,1,2,3,4 or 5

z = Manual: 0,1,3 or 4

l istina - 10

H250/M40 aG20bcdefghijklmnopgrstuvwx, Flowmeter

a = Sensor series: V or S

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b = Configuration: 4 or 9

c = Material of liner and float: 2,4,A or C

d = Nominal size / process connection: 1,2,4,5,6,7,A,C,E,F,H or K

e = Pressure rating: 1,2,B or C

f = Flange facing: 1 or A

g = Float: 2,3,4,5,6,7,8,A,B,C,D,E,G,H,K,L,N,P or S

h = 0

i = Indication: E,F,G,H,K or L

j = Limit switch: 0, 1, 2, 3, 5, 6, 7, A, B, C, E, F, S, T or U

k = Output: 0,8,C,D,E or F

I = A

m= Options Indication: 0, 2, 3, A, B or C

n= Identification: 0, 1, 2, A, B, C, L, M, N or P

o= Certificate of compliance: 0 or 1

p = Confirmation of accuracy: 0,1,2,3,4,5,6 or 7

q = Pressure- / leakage test: 0,5, A or F

r = Material test / -certification: 0,1,2,5, 6, F, G or H

s = Dye penetration test (PT): 0

t = Radiographic examination (RT): 0

u = Hardness test: 0 or 1

v = Cleaning acc. manufacturer standard: 0

w = Design: 0 or B x = Manual: 0, 1, 3 or 4

13. Specific Conditions of Use:

None

14. Test and Assessment Procedure and Conditions:

This Certificate has been issued in accordance with FM Approvals Canadian Certification Scheme.

15. Schedule Drawings

A copy of the technical documentation has been kept by FM Approvals.

16. Certificate History

Details of the supplements to this certificate are described below:

Date	Description
23 rd September 2013	Original Issue.
8 th July 2019	Supplement 3: Report Reference: – RR217675 dated 8 th July 2019. Description of the Change: Convereted to new certificate format. Update to measurement cone, label and alternative glass manufacture for window cover.

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Supplement 4:

8th December 2020

Report Reference: - PR456398 dated 8th December 2020.

Description of the Change: Addition of high pressure options for Models K15, K25, K55, K85 and K105 measuring cones bused in the construction of the H250/M40

Variable Area Flowmeter.

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