1 **EU-TYPE EXAMINATION CERTIFICATE**

2 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34

3 Certificate Number: **Sira 12ATEX2233X** Issue: **8**

4 Equipment: **Model ST700 and ST800 Pressure Transmitters**

5 Applicant: **Honeywell Inc.**

6 Address: 512 Virginia Drive
Fort Washington
Pennsylvania 19034
USA

(These products may be manufactured at any Honeywell Facility listed on Quality Assurance Notification DEKRA 13ATEXQ0161 that has been audited for the manufacture of the type of protection listed)

7 This equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8 Sira Certification Service, notified body number 0518 in accordance with Articles 17 and 21 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in the confidential reports listed in Section 14.2.

9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule to this certificate, has been assured by compliance with the following documents:

EN60079-0: 2012/A11:2013 EN 60079-11: 2012

The above list of documents may detail standards that do not appear on the UKAS Scope of Accreditation, but have been added through Sira's flexible scope of accreditation, which is available on request.

10 If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to Specific Conditions of Use identified in the schedule to this certificate.

11 This EU-Type Examination Certificate relates only to the design and construction of the specified equipment. If applicable, further requirements of this Directive apply to the manufacture and supply of this equipment.

12 The marking of the equipment shall include the following:

Non FISCO Marking

II 1 G
Ex ia IIC T4 Ga

Ta: -50°C to + 70°C

FISCO Field Device

II 1 G
Ex ia IIC T4 Ga
FISCO Field Device
Ta: -50°C to +70°C

N. Jones

Project Number 70088004

N Jones
Certification Manager

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13 DESCRIPTION OF EQUIPMENT

The Model ST800 is rated for process temperatures up to 125 °C and a maximum process pressure to 68.9 Mpa (10,000 psi) depending upon the Meter Body used. Its enclosure has two compartments. One compartment contains the electronics and uses an End Cap (cover) with a window to permit viewing of the LCD display. The other compartment contains the field terminations and encapsulated Terminal Block board. The Terminal Block board has infallible components to limit the maximum voltage to the other boards to 5.88 Vdc. The Model ST800 is available with either a HART/DE Communications Board or Foundation Fieldbus/Profibus Communication Board.

Model ST800 HART/DE – This version is Intrinsically Safe when installed per drawing 50049892 page 2 with the following entity parameters:
Ui = 30 V, Ii = 105 mA, Pi = 900 mW, Ci = 0.004 µF, Li = 984 µH

Ui = 30 V, Ii = 225 mA, Pi = 900 mW, Ci = 0.004 µF, Li = 0 µH when fitted with the HART/DE Terminal Block Board introduced at Issue 4 of the certificate.

Model ST800 FF/PA - This version is Intrinsically Safe when installed per drawing 50049892 page 3 with the following entity parameters:
Ui = 30 V, Ii = 225 mA, Pi = 1W, Ci = 0 µF, Li = 0 µH

Model ST800 Pressure Transmitter- FISCO Field Device, Type 4X, IP66/IP67, Dual Seal. Rated 9-32Vdc, 4-20 mA max. Intrinsically safe when installed per drawing 50049892 with entity parameters:
Ui = 17.5 V, Ii = 380 mA, Pi = 5.32 W, Ci = 0 µF, Li = 0 µH

The model designation is as follows:

STA8XX Series STA8XX-bcdefg-h-C (C for ATEX D for IECEx)

- STA822-bcdefg-h-C-jkl-mno-p-qrs-t-v (Dual Head Absolute), MWP 15 psi (1.04 barA)
- STA840-bcdefg-h-C-jkl-mno-p-qrs-t-v (Dual Head Absolute), MWP 500 psi (35 barA)
- STA82L-bcdefg-h-C-jkl-mno-p-qrs-t-v (In-line Absolute), MWP 15 psi (1.04 barA)
- STA84L-bcdefg-h-C-jkl-mno-p-qrs-t-v (In-Line Absolute), MWP 500 psi (35 barA)
- STA87L-bcdefg-h-C-jkl-mno-p-qrs-t-v (In-Line Absolute), MWP 3000 psi (206 barA)

Where:
b = A,B,C,D,E,F,G,H,J,K,L,1,2,3,4,5,6,7 or 8 (process wetted head and barrier diaphragm material)
c = 1,2 or 3 (fill fluid)
d = A,D,G or H (Adapter flange and bolt kit)
e = B,C,D,K,M,N, S or 0 (Bolt Material)
f = 0, 1,2,3,4,5,6 or 7 (Vent/Drain Type/Location)
g = A,B,C or 0 (Gasket Material)
h = 1,2 or 3 (Head/Connect orientations)
j = A,B,C,D,E,F,G or H (Electronic Housing Material/entry type/lightning protection)
k = D,F,H or P (Output/Protocol)
l = A,B,C,D,E,F,G,H,J or 0 (Indicator/zero-span buttons/language, D is Simple Display for ST700 Series only)
m = 1,2,3 or 4 (Application software)
n = 1,2,3,4,5 or 6 (Output limit, failsafe, write protection)
o = C or S (Output Limit, Failsafe & Write Protect Settings)
p = A,B,C,D,E,F,G or H (Accuracy and Calibration)

Sira Certification Service
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Web: www.csagroupuk.org

q = 0,1,2,3,4,5,6 or 7 (Mounting Bracket)
r = 0,1 or 2 (Customer Tag)
s = A0, A2, A6, A7, A8 or A9 (Conduit plugs and conduit adapter)
t = Two digit alphanumeric code (General options that do not impact certification)
v = Four digit alphanumeric code (Factory identification)

STD8XX Series STD8XX- bcdefgh-i-C (C for ATEX D for IECEx)

- STD810- bcdefgh-i-C-jkl-mno-p-qrs-t-v (-10 to +10" H2O), MWP 4500 or 6000 psi
- STD820- bcdefgh-i-C-jkl-mno-p-qrs-t-v (-400" to 400" H2O), MWP 4500 or 6000 psi
- STD825- bcdefgh-i-C-jkl-mno-p-qrs-t-v (-600" to 600" H2O) , MWP 4500 or 6000 psi
- STD830- bcdefgh-i-C-jkl-mno-p-qrs-t-v (-100 to 100 psi), MWP 4500 or 6000 psi
- STD870- bcdefgh-i-C-jkl-mno-p-qrs-t-v (-14.2 to 3,000 psi), MWP 4500 or 6000 psi

Where:
b = A,B,C,D,E,F,G,H,J,K,L,X1,2,3,4,5,6,7,8 or 9 (process wetted head and diaphragm material)
c = 1,2,3 or 4 (fill fluid)
d = A,B or H (Adapter flange and bolt kit)
e = B,C,D,K,M,N or S (Bolt Material)
f = 1,2,3,4,5,6 or 7 (Vent/Drain Type/Location)
g = H or S (Static Pressure)
h = A,B or C (Gasket Material)
i = 1,2 or 3 (Head/Connect orientations)
j = A,B,C,D,E,F,G or H (Electronic Housing Material/entry type/lightning protection)
k = D,F,H or P (Output/Protocol)
l = A,B,C,D,E,F,G,H,J or 0 (Indicator/zero-span buttons/language, D is Simple Display for ST700 Series only)
m = 1,2,3 or 4 (Application software)
n = 1,2,3,4,5 or 6 (Output limit, failsafe, write protection)
o = C or S (General Configuration)
p = A,B,C,D,E,F,G or H (Accuracy and Calibration)
q = 0,1,2,3,4,5,6 or 7 (Mounting Bracket)
r = 0,1 or 2 (Customer Tag)
s = A0, A2, A6, A7, A8 or A9 (Conduit plugs and conduit adapter)
t = Two digit alphanumeric code (General options that do not impact certification)
v = Four digit alphanumeric code (Factory identification)

STG8XX Series STG8XX-bcdefg-h-C (C for ATEX D for IECEx)

- STG830-bcdefg-h-C-jkl-mno-p-qrs-t-v (Dual Head Gauge), MWP 50 psi (3.5 bar)
- STG840-bcdefg-h-C-jkl-mno-p-qrs-t-v (Dual Head Gauge), MWP 500 psi (35 bar)
- STG870-bcdefg-h-C-jkl-mno-p-qrs-t-v (Dual Head Gauge), MWP 3000 psi (210 bar)
- STG83L-bcdefg-h-C-jkl-mno-p-qrs-t-v (In-Line Gauge), MWP 500 psi (3.5 bar)
- STG84L-bcdefg-h-C-jkl-mno-p-qrs-t-v (In-Line Gauge), MWP 500 psi (35 bar)
- STG87L-bcdefg-h-C-jkl-mno-p-qrs-t-v (In-Line Gauge), MWP 3000 psi (210 bar)
- STG88L-bcdefg-h-C-jkl-mno-p-qrs-t-v (In-Line Gauge), MWP 6,000 psi (420 bar)
- STG89L-bcdefg-h-C-jkl-mno-p-qrs-t-v (In-Line Gauge), MWP 10,000 psi (690 bar)

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Where
b = A,B,C,D,E,F,G,H,J,K,L,1,2,3,4,5,6,7 or 8 (process wetted head and barrier diaphragm material)
c = 1,2 or 3 (fill fluid)
d = A,D,G or H (Adapter flange and bolt kit)
e = B,C,D,K,M,N or S (Bolt Material)
f = 0,1,2,3,4,5,6 or 7 (Vent/Drain Type/Location)
g = A,B,C or 0 (Gasket Material)
h = 1,2 or 3 (Head/Connect orientations)
j = A,B,C,D,E,F,G or H (Electronic Housing Material/entry type/lightning protection)
k = D,F,H or P (Output/Protocol)
l = A,B,C,D,E,F,G,H,J or 0 (Indicator/zero-span buttons/language, D is Simple Display for ST700 Series only)
m = 1,2,3 or 4 (Application software)
n = 1,2,3,4,5 or 6 (Output limit, failsafe, write protection)
o = C or S (General Configuration)
p = A,B,C,D,E,F,G or H (Accuracy and Calibration)
q = 0,1,2,3,4,5,6 or 7 (Mounting Bracket)
r = 0,1 or 2 (Customer Tag)
s = A0, A2, A6, A7, A8 or A9 (Conduit plugs and conduit adapter)
t = Two digit alphanumeric code (General options that do not impact certification)
v = Four digit alphanumeric code (Factory identification)

STF8XX Series: STF8XX-bcdefg-hjk-C(C for ATEX D for IECEx)

- STF828-bcdefg-hjk-C-lmn-opq-s-tvww-xx-yyyy (1 bar Transmitter Characterized) ANSI Class 150, MWP 285psi (1.97MPa); ANSI Class 300, MWP 740psi (5.1MPa); or PN 40 Flange, MWP 580psi (4.0MPa)
- STF832-bcdefg-hjk-C-lmn-opq-s-tvww-xx-yyyy (7 bar Transmitter Characterized) ANSI Class 150, MWP 285psi (1.97MPa); ANSI Class 300, MWP 740psi (5.1MPa); or PN 40 Flange, MWP 580psi (4.0MPa)
- STF82F-bcdefg-hjk-C-lmn-opq-s-tvww-xx-yyyy (1 bar Transmitter) ANSI Class 150, MWP 285psi (1.97MPa); ANSI Class 300, MWP 400psi (2.76MPa); or PN 40 Flange, MWP 400psi (2.76MPa)
- STF83F-bcdefg-hjk-C-lmn-opq-s-tvww-xx-yyyy (7 Bar Transmitter) ANSI Class 150, MWP 285psi (1.97MPa); ANSI Class 300, MWP 400psi (2.76MPa); or PN 40 Flange, MWP 400psi (2.76MPa)

Where:
b = A,W, B,C,E,X, F,G,J,L,M, N, R, S, 1,2,3,4,5,or 6 (process wetted head and barrier diaphragm material)
c = 1 or2 (fill fluid)
d = A, C, H or K (Process Connections)
e = C, S, N or B (Bolts for Process Heads)
f = 1,2,3,4,5 or 6 (Vent/Drain Type/Location)
g = A or B (Gasket Material)
h = 1,2, 3, 4, 5, 6, 7, 8, 9, A, B, C, D, E, F, Q, U, V, H, J, K, L, M, N, W, X, Y, S, T, P or R (Head/Connect orientations)
j = 0, 1, 2, 3, or 5 (Gasket ring)
k = 0, F, C, D, E, (Extension)
l= A, B, C, D, E, F, G, H(Electronic Hoiusing Material and Entry type)
m= H, D, F, P (Output/ Protocol)

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n = A,B,C,D,E,F,G,H,J or 0 (Indicator/zero-span buttons/language, D is Simple Display for ST700 Series only)
o = 1,2,3 or 4 (Application software)
p = 1,2,3,4,5 or 6 (Output limit, failsafe, write protection)
q = C or S (General Configuration)
s = A,B,C,D,E,F,G or H (Accuracy and Calibration)
t = 0,1,2,3,4,5,6 or 7 (Mounting Bracket)
v = 0,1 or 2 (Customer Tag)
ww = A0, A2, A6, A7, A8 or A9 (Conduit plugs and conduit adapter)
xx = Two digit alphanumeric code (General options that do not impact certification)
yyyy = Four digit alphanumeric code (Factory identification)

STR8XX Series: STR8XX-bcdefg-hhhjjklmn-C(C for ATEX D for IECEx)

- STR82D-abcdefg-hhhjjklmn-C-pqr-stv-w-xyzz-G-FFFF, MWP 1,500 psi
- STR83D-abcdefg-hhhjjklmn-C-pqr-stv-w-xyzz-G-FFFF, MWP 1,500 psi
- STR84A-abcdefg-hhhjjklmn-C-pqr-stv-w-xyzz-G-FFFF, MWP 500 psi
- STR84G-abcdefg-hhhjjklmn-C-pqr-stv-w-xyzz-G-FFFF, MWP 500 psi
- STR87G-abcdefg-hhhjjklmn-C-pqr-stv-w-xyzz-G-FFFF, MWP 1,500 psi

Where:
a= 1, 2, 3 or 5 (Number of Seals)
b = 1, 2 or 4 (Primary fill fluid)
c = A, B, C, D or E (Construction)
d= 0, C, S, N, B (Bolts and Nuts for Process Heads)
e = 1,2,3,4,5 or 6 (Secondary Fill Fluid)
f = 0, A, B, C, D, E, F, G, H, J, K, L, M or 2 (Connection to Remote Seal)
g = 1, 2, 3 or 4 (Seal option)

Flush Flange Seal
hhh= AFA, AFC, AFM (Flange Type and Size)
jj= AA, AB, AC, AE or AF (Wetted Material)
k= 1 or 2 (Non Wetted Material (Upper))
l= 1 or 2 (Seal Capillary Connection)
m= A, B, C or D (Calibration Rings)
n= 0, H, J, M, N, P, Q, R or S (Flushing Connections and Plugs)

Flush Flange Seal with Lower
hhh= BFA, BFC, CAA, CCA, CCC, CGA, CGC, CDA, CDC, DAA, DCA, DCC, DDA, DDC, DFA, DFC (Flange Type and Size)
jj= BA, BB, BC, BE, BF, BG or BH (Wetted Material)
k= 4 or 5 (Non Wetted Material)
l= 0 (Bolts)
m= 0, H, J, M, N, P, R, S (Flushing Connections and Plugs)
n= K, G, T or L (Gasket)

Flange Seal with Extended Diaphragm
hhh= EFA, EFC, EFM, FGA, FGC or FGP (Flange Type and Size)
jj= EA, EB, or EC (Wetted Material)
k= 7 or 8 (Non Wetted Material)

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l= 0 (Bolts)
m= 2, 4 or 6 (Extension Length)
n= 0(No Selection)
Pancake Seal
hhh= GFA (Flange Type and Size)
jj= GA, GB, GC, GE or GG (Wetted Material)
k= 0 (Non Wetted Material)
l= 0 (Bolts)
m= A, B, C or D (Calibration Ring)
n= 0, H, J, M, N, P, Q, R, S or S (Flushing Connections and Plugs)

Chemical Tue "Taylor" Wedge
hhh= HMO (Flange Type and Size)
jj= HA, HB, or HC (Wetted Material)
k= 0 (Non Wetted Material)
l= 0 (Bolts)
m= 0 (Styles)
n= 0 (No Selection)

Seal with Threaded Process Connection
hhh= JJG, JKG, JKL, KJG, KKG, KLG, LJG, LKG, or LLG (Bolts and Thread Size)
jj= JA, JB, JC, JD, JE, JF, or JG (Wetted Material)
k= A or C (Non Wetted Material)
l= C or D (Bolts)
m= 0, H, J, M, N, P, Q, R or S (Flushing Connections and Plugs)
n= K, G, T or L (Gasket)

Saddle Seal
hhh= RFK, RGK, RPK or RQK (Flange Size)
jj= RA, RB, RC, RD, SB, or SC (Wetted Material)
k= B or C (Non Wetted Material)
l= 0 (Bolts)
m= 0 (Styles)
n= K, G, T or L (Gasket)
p= A, B, C, D, E, F, G, H(Electronic Hoiusing Material and Entry type)
q= H, D, F, P (Output/ Protocol)
r = A,B,C,D,E,F,G,H,J or 0 (Indicator/zero-span buttons/language, D is Simple Display for ST700 Series only)
s = 1,2,3 or 4 (Application software)
t = 1,2,3,4,5 or 6 (Output limit, failsafe, write protection)
v = C or S (General Configuration)
w = A,B,C,D,E,F,G or H (Accuracy and Calibration)
x = 0,1,2,3,4,5,6 or 7 (Mounting Bracket)
y = 0,1 or 2 (Customer Tag)
zz = A0, A2, A6, A7, A8 or A9 (Conduit plugs and conduit adapter)
GG = Two digit alphanumeric code (General options that do not impact certification)
FFFF = Four digit alphanumeric code (Factory identification)

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The product description for all certificates is modified to include Pressure Transmitter Models ST700.

The model designations for the ST700 series are as follows:

STA7XX Series: STA7XX-bcdefg-h-C(C for ATEX D for IECEx)

- STA722-bcdefg-h-C-jkl-mno-p-qrs-t-v (Dual Head Absolute), MWP 15 psi (1.04 barA)
- STA740-bcdefg-h-C-jkl-mno-p-qrs-t-v (Dual Head Absolute), MWP 500 psi (35 barA)
- STA72L-bcdefg-h-C-jkl-mno-p-qrs-t-v (In-line Absolute), MWP 15 psi (1.04 barA)
- STA74L-bcdefg-h-C-jkl-mno-p-qrs-t-v (In-Line Absolute), MWP 500 psi (35 barA)
- STA77L-bcdefg-h-C-jkl-mno-p-qrs-t-v (In-Line Absolute), MWP 3000 psi (206 barA)

Where:
b = A,B,C,D,E,F,G,H,J,K,L,1,2,3,4,5,6,7 or 8 (process wetted head and barrier diaphragm material)
c = 1,2 or 3 (fill fluid)
d = A,D,G or H (Adapter flange and bolt kit)
e = B,C,D,K,M,N, S or 0 (Bolt Material)
f = 0, 1,2,3,4,5,6 or 7 (Vent/Drain Type/Location)
g = A,B,C or 0 (Gasket Material)
h = 1,2 or 3 (Head/Connect orientations)
j = A,B,C,D,E,F,G or H (Electronic Housing Material/entry type/lightning protection)
k = D,F,H or P (Output/Protocol)
l = A,B,C,D,E,F,G,H,J or 0 (Indicator/zero-span buttons/language, D is Simple Display for ST700 Series only)
m = 1,2,3 or 4 (Application software)
n = 1,2,3,4,5 or 6 (Output limit, failsafe, write protection)
o = C or S (Output Limit, Failsafe & Write Protect Settings)
p = A,B,C,D,E,F,G or H (Accuracy and Calibration)
q = 0,1,2,3,4,5,6 or 7 (Mounting Bracket)
r = 0,1 or 2 (Customer Tag)
s = A0, A2, A6, A7, A8 or A9 (Conduit plugs and conduit adapter)
t = Two digit alphanumeric code (General options that do not impact certification)
v = Four digit alphanumeric code (Factory identification)

STD7XX Series: STD7XX-bcdefgh-i-C(C for ATEX D for IECEx)

- STD710- bcdefgh-i-C-jkl-mno-p-qrs-t-v (-10 to +10" H_2O), MWP 4500 or 6000 psi
- STD720- bcdefgh-i-C-jkl-mno-p-qrs-t-v (-400" to 400" H_2O), MWP 4500 or 6000 psi
- STD730- bcdefgh-i-C-jkl-mno-p-qrs-t-v (-100 to 100 psi), MWP 4500 or 6000 psi
- STD770- bcdefgh-i-C-jkl-mno-p-qrs-t-v (-14.2 to 3,000 psi), MWP 4500 or 6000 psi

Where:
b = A,B,C,D,E,F,G,H,J,K,L,X1,2,3,4,5,6,7,8 or 9 (process wetted head and diaphragm material)
c = 1,2,3 or 4 (fill fluid)
d = A,B or H (Adapter flange and bolt kit)
e = B,C,D,K,M,N or S (Bolt Material)
f = 1,2,3,4,5,6 or 7 (Vent/Drain Type/Location)
g = H or S (Static Pressure)
h = A,B or C (Gasket Material)
i = 1,2 or 3 (Head/Connect orientations)
j = A,B,C,D,E,F,G or H (Electronic Housing Material/entry type/lightning protection)

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k = D,F,H or P (Output/Protocol)
l = A,B,C,D,E,F,G,H,J or 0 (Indicator/zero-span buttons/language, D is Simple Display for ST700 Series only)
m = 1,2,3 or 4 (Application software)
n = 1,2,3,4,5 or 6 (Output limit, failsafe, write protection)
o = C or S (General Configuration)
p = A,B,C,D,E,F,G or H (Accuracy and Calibration)
q = 0,1,2,3,4,5,6 or 7 (Mounting Bracket)
r = 0,1 or 2 (Customer Tag)
s = A0, A2, A6, A7, A8 or A9 (Conduit plugs and conduit adapter)
t = Two digit alphanumeric code (General options that do not impact certification)
v = Four digit alphanumeric code (Factory identification)

STG7XX Series: STG7XX-bcdefg-h-C(C for ATEX D for IECEx)

- STG730-bcdefg-h-C-jkl-mno-p-qrs-t-v (Dual Head Gauge), MWP 50 psi (3.5 bar)
- STG740-bcdefg-h-C-jkl-mno-p-qrs-t-v (Dual Head Gauge), MWP 500 psi (35 bar)
- STG770-bcdefg-h-C-jkl-mno-p-qrs-t-v (Dual Head Gauge), MWP 3000 psi (210 bar)
- STG73L-bcdefg-h-C-jkl-mno-p-qrs-t-v (In-Line Gauge), MWP 500 psi (3.5 bar)
- STG74L-bcdefg-h-C-jkl-mno-p-qrs-t-v (In-Line Gauge), MWP 500 psi (35 bar)
- STG77L-bcdefg-h-C-jkl-mno-p-qrs-t-v (In-Line Gauge), MWP 3000 psi (210 bar)
- STG78L-bcdefg-h-C-jkl-mno-p-qrs-t-v (In-Line Gauge), MWP 6,000 psi (420 bar)
- STG79L-bcdefg-h-C-jkl-mno-p-qrs-t-v (In-Line Gauge), MWP 10,000 psi (690 bar)

Where:
b = A,B,C,D,E,F,G,H,J,K,L,1,2,3,4,5,6,7 or 8 (process wetted head and barrier diaphragm material)
c = 1,2 or 3 (fill fluid)
d = A,D,G or H (Adapter flange and bolt kit)
e = B,C,D,K,M,N or S (Bolt Material)
f = 0, 1,2,3,4,5,6 or 7 (Vent/Drain Type/Location)
g = A,B,C or 0 (Gasket Material)
h = 1,2 or 3 (Head/Connect orientations)
j = A,B,C,D,E,F,G or H (Electronic Housing Material/entry type/lightning protection)
k = D,F,H or P (Output/Protocol)
l = A,B,C,D,E,F,G,H,J or 0 (Indicator/zero-span buttons/language, D is Simple Display for ST700 Series only)
m = 1,2,3 or 4 (Application software)
n = 1,2,3,4,5 or 6 (Output limit, failsafe, write protection)
o = C or S (General Configuration)
p = A,B,C,D,E,F,G or H (Accuracy and Calibration)
q = 0,1,2,3,4,5,6 or 7 (Mounting Bracket)
r = 0,1 or 2 (Customer Tag)
s = A0, A2, A6, A7, A8 or A9 (Conduit plugs and conduit adapter)
t = Two digit alphanumeric code (General options that do not impact certification)
v = Four digit alphanumeric code (Factory identification)

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STF7XX Series: STF7XX-bcdefg-hjk-C(C for ATEX D for IECEx)

- STF724-bcdefg-hjk-C-lmn-opq-s-tvww-xx-yyyy (1 bar Transmitter Characterized) ANSI Class 150, MWP 285psi (1.97MPa); ANSI Class 300, MWP 740psi (5.1MPa); or PN 40 Flange, MWP 580psi (4.0MPa)
- STF732-bcdefg-hjk-C-lmn-opq-s-tvww-xx-yyyy (7 Bar Transmitter Characterized) ANSI Class 150, MWP 285psi (1.97MPa); ANSI Class 300, MWP 740psi (5.1MPa); or PN 40 Flange, MWP 580psi (4.0MPa)
- STF72F-bcdefg-hjk-C-lmn-opq-s-tvww-xx-yyyy (1 bar Transmitter) ANSI Class 150, MWP 285psi (1.97MPa); ANSI Class 300, MWP 400psi (2.76MPa); or PN 40 Flange, MWP 400psi (2.76MPa)
- STF73F-bcdefg-hjk-C-lmn-opq-s-tvww-xx-yyyy (7 Bar Transmitter) ANSI Class 150, MWP 285psi (1.97MPa); ANSI Class 300, MWP 400psi (2.76MPa); or PN 40 Flange, MWP 400psi (2.76MPa)

Where:
b = A,W, B,C,E,X, F,G,J,L,M, N, R, S, 1,2,3,4,5,or 6 (process wetted head and barrier diaphragm material)
c = 1 or2 (fill fluid)
d = A, C, H or K (Process Connections)
e = C, S, N or B (Bolts for Process Heads)
f = 1,2,3,4,5 or 6 (Vent/Drain Type/Location)
g = A or B (Gasket Material)
h = 1,2, 3, 4, 5, 6, 7, 8, 9, A, B, C, D, E, F, Q, U, V, H, J, K, L, M, N, W, X, Y, S, T, P or R (Head/Connect orientations)
j = 0, 1, 2, 3, or 5 (Gasket ring)
k = 0, F, C, D, E, (Extension)
l= A, B, C, D, E, F, G, H(Electronic Hoiusing Material and Entry type)
m= H, D, F, P (Output/ Protocol)
n = A,B,C,D,E,F,G,H,J or 0 (Indicator/zero-span buttons/language, D is Simple Display for ST700 Series only)
o = 1,2,3 or 4 (Application software)
p = 1,2,3,4,5 or 6 (Output limit, failsafe, write protection)
q = C or S (General Configuration)
s = A,B,C,D,E,F,G or H (Accuracy and Calibration)
t = 0,1,2,3,4,5,6 or 7 (Mounting Bracket)
v = 0,1 or 2 (Customer Tag)
ww = A0, A2, A6, A7, A8 or A9 (Conduit plugs and conduit adapter)
xx = Two digit alphanumeric code (General options that do not impact certification)
yyyy = Four digit alphanumeric code (Factory identification)

STR7XX: STR7XX-bcdefg-hhhjjklmn-C(C for ATEX D for IECEx)

- STR82D-abcdefg-hhhjjklmn-C-pqr-stv-w-xyzz-G-FFFF, MWP 1,500 psi
- STR83D-abcdefg-hhhjjklmn-C-pqr-stv-w-xyzz-G-FFFF, MWP 1,500 psi
- STR84A-abcdefg-hhhjjklmn-C-pqr-stv-w-xyzz-G-FFFF, MWP 500 psi
- STR84G-abcdefg-hhhjjklmn-C-pqr-stv-w-xyzz-G-FFFF, MWP 500 psi
- STR87G-abcdefg-hhhjjklmn-C-pqr-stv-w-xyzz-G-FFFF, MWP 1,500 psi

Where:
a= 1, 2, 3 or 5 (Number of Seals)
b = 1, 2 or 4 (Primary fill fluid)
c = A, B, C, D or E (Construction)

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d= 0, C, S, N, B (Bolts and Nuts for Process Heads)
e = 1,2,3,4,5 or 6 (Secondary Fill Fluid)
f = 0, A, B, C, D, E, F, G, H, J, K, L, M or 2 (Connection to Remote Seal)
g = 1, 2, 3 or 4 (Seal option)

Flush Flange Seal
hhh= AFA, AFC, AFM (Flange Type and Size)
jj= AA, AB, AC, AE or AF (Wetted Material)
k= 1 or 2 (Non Wetted Material (Upper))
l= 1 or 2 (Seal Capillary Connection)
m= A, B, C or D (Calibration Rings)
n= 0, H, J, M, N, P, Q, R or S (Flushing Connections and Plugs)

Flush Flange Seal with Lower
hhh= BFA, BFC, CAA, CCA, CCC, CGA, CGC, CDA, CDC, DAA, DCA, DCC, DDA, DDC, DFA, DFC (Flange Type and Size)
jj= BA, BB, BC, BE, BF, BG or BH (Wetted Material)
k= 4 or 5 (Non Wetted Material)
l= 0 (Bolts)
m= 0, H, J, M, N, P, R, S (Flushing Connections and Plugs)
n= K, G, T or L (Gasket)

Flange Seal with Extended Diaphragm
hhh= EFA, EFC, EFM, FGA, FGC or FGP (Flange Type and Size)
jj= EA, EB, or EC (Wetted Material)
k= 7 or 8 (Non Wetted Material)
l= 0 (Bolts)
m= 2, 4 or 6 (Extension Length)
n= 0(No Selection)
Pancake Seal
hhh= GFA (Flange Type and Size)
jj= GA, GB, GC, GE or GG (Wetted Material)
k= 0 (Non Wetted Material)
l= 0 (Bolts)
m= A, B, C or D (Calibration Ring)
n= 0, H, J, M, N, P, Q, R, S or S (Flushing Connections and Plugs)

Chemical Tue "Taylor" Wedge
hhh= HMO (Flange Type and Size)
jj= HA, HB, or HC (Wetted Material)
k= 0 (Non Wetted Material)
l= 0 (Bolts)
m= 0 (Styles)
n= 0 (No Selection)

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Seal with Threaded Process Connection
hhh= JJG, JKG, JKL, KJG, KKG, KLG, LJG, LKG, or LLG (Bolts and Thread Size)
jj= JA, JB, JC, JD, JE, JF, or JG (Wetted Material)
k= A or C (Non Wetted Material)
l= C or D (Bolts)
m= 0, H, J, M, N, P, Q, R or S (Flushing Connections and Plugs)
n= K, G, T or L (Gasket)

Saddle Seal
hhh= RFK, RGK, RPK or RQK (Flange Size)
jj= RA, RB, RC, RD, SB, or SC (Wetted Material)
k= B or C (Non Wetted Material)
l= 0 (Bolts)
m= 0 (Styles)
n= K, G, T or L (Gasket)
p= A, B, C, D, E, F, G, H(Electronic Hoiusing Material and Entry type)
q= H, D, F, P (Output/ Protocol)
r = A,B,C,D,E,F,G,H,J or 0 (Indicator/zero-span buttons/language, D is Simple Display for ST700 Series only)
s = 1,2,3 or 4 (Application software)
t = 1,2,3,4,5 or 6 (Output limit, failsafe, write protection)
v = C or S (General Configuration)
w = A,B,C,D,E,F,G or H (Accuracy and Calibration)
x = 0,1,2,3,4,5,6 or 7 (Mounting Bracket)
y = 0,1 or 2 (Customer Tag)
zz = A0, A2, A6, A7, A8 or A9 (Conduit plugs and conduit adapter)
GG = Two digit alphanumeric code (General options that do not impact certification)
FFFF = Four digit alphanumeric code (Factory identification)

ST700LE: STDa-bcdefgh-i-B-jkl-mno-p-qrs-t-v (Differential Pressure)

- STD725-bcdefgh-i-B-jkl-mno-p-qrs-t-v (Differential Pressure, -400” to 400” H_2O / -1000 to 1000 mbar)
- STD735-bcdefgh-i-B-jkl-mno-p-qrs-t-v (Differential Pressure, -100 to 100 psi / 0 to 7 bar)
- STD775-bcdefgh-i-B-jkl-mno-p-qrs-t-v (Differential Pressure, -14.2 to 3,000 psi / -1 to 210 bar)

Where
b = A, B, E, F, J (materials of construction)
c = 1 or 2 (fill fluid)
d = A or H (Adapter flange and bolt kit)
e = C, S, N, K or D (Bolt Material)
f = 1, 2, 3, 4, 5 or 6 (Vent/Drain Type/Location)
g = S (static pressure)
h = A, B, or C (Gasket Material)
i = 1, 2 or 3 (Head/Connect orientations)
B = C or D
j = A, B, C, D, E, F, G or H (Electronic Housing Material/entry type)
k = H (Output/Protocol)
l = 0, A, S, or T (Customer interface selections)

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m = 1 (Application software)
n = 1, 2, 3, or 4 (Output limit, failsafe, write protection)
o = C or S (General Configuration)
p = A, or B (Accuracy and Calibration)
q = 0, 1, 2, 3, 4, 5, 6 or 7 (Mounting Bracket)
r = 0, 1 or 2 (Customer Tag)
s = A0, A2, A6, or A7 (Conduit plugs and conduit adapter)
t = Two digit alphanumeric code (General options that do not impact certification)
v = Four digit alphanumeric code (Factory identification)

ST700LE: STGa-bcdefgh-i-B-jkl-mno-p-qrs-t-v (Gauge Pressure)

- STG735-bcdefg-h-B-jkl-mno-p-qrs-t-v (0.5 to 50 psi / 0.035 to 3.5 bar)
- STG745-bcdefg-h-B-jkl-mno-p-qrs-t-v (5 to 500 psi / 0.35 to 35 bar)
- STG775-bcdefg-h-B-jkl-mno-p-qrs-t-v (30 to 3000 psi / 2.1 to 210 bar)
- STG73S-bcdefg-h-B-jkl-mno-p-qrs-t-v (0.5 to 50 psi / 0.035 to 3.5 bar)
- STG74S-bcdefg-h-B-jkl-mno-p-qrs-t-v (5 to 500 psi / 0.35 to 35 bar)
- STG77S-bcdefg-h-B-jkl-mno-p-qrs-t-v (30 to 3000 psi / 2.1 to 210 bar)
- STG78S-bcdefg-h-B-jkl-mno-p-qrs-t-v (60 to 6000 psi / 4.2 to 420 bar)
- STG79S-bcdefg-h-B-jkl-mno-p-qrs-t-v (60 to 10000 psi / 6.9 to 690 bar)

Where
b = A, B, E, F, J (materials of construction)
c = 1 or 2 (fill fluid)
d = A, G, H, B (Process connection)
e = 0, C, S, N, K or D (Bolt Material)
f = 0, 1, 2, 3, 4, 5 or 6 (Vent/Drain Type/Location)
g = 0, A, B, or C (Gasket Material)
h= 1, 2 or 3 (Head/Connect orientations)
B = C or D
j = A, B, C, D, E, F, G or H (Electronic Housing Material/entry type)
k = H (Output/Protocol)
l = 0, A, S, or T (Customer interface selections)
m = 1 (Application software)
n = 1, 2, 3, or 4 (Output limit, failsafe, write protection)
o = C or S (General Configuration)
p = A, or B (Accuracy and Calibration)
q = 0, 1, 2, 3, 4, 5, 6 or 7 (Mounting Bracket)
r = 0, or 1 (Customer Tag)
s = A0, A2, A6, or A7 (Conduit plugs and conduit adapter)
t = Two digit alphanumeric code (General options that do not impact certification)
v = Four digit alphanumeric code (Factory identification)

ST700LE: STAa-bcdefgh-i-B-jkl-mno-p-qrs-t-v (Absolute Pressure)

- STA725-bcdefg-h-B-jkl-mno-p-qrs-t-v (0.5 to 50 psi / 0.035 to 3.5 bar)
- STA745-bcdefg-h-B-jkl-mno-p-qrs-t-v (5 to 500 psi / 0.35 to 35 bar)
- STA72S-bcdefg-h-B-jkl-mno-p-qrs-t-v (0.5 to 50 psi / 0.035 to 3.5 bar)
- STA74S-bcdefg-h-B-jkl-mno-p-qrs-t-v (0 to 500 psia / 0.35 to 35 bar)
- STA77S-bcdefg-h-B-jkl-mno-p-qrs-t-v (0 to 3000 psia / 2.1 to 210 bar)

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Where
b = A, B, E, F, J (materials of construction)
c = 1 or 2 (fill fluid)
d = A, G, H, B (Process connection)
e = 0, C, S, N, K or D (Bolt Material)
f = 0, 1, 2, 3, 4, 5 or 6 (Vent/Drain Type/Location)
g = 0, A, B, or C (Gasket Material)
h= 1, 2 or 3 (Head/Connect orientations)
B = C or D
j = A, B, C, D, E, F, G or H (Electronic Housing Material/entry type)
k = H (Output/Protocol)
l = 0, A, S, or T (Customer interface selections)
m = 1 (Application software)
n = 1, 2, 3, or 4 (Output limit, failsafe, write protection)
o = C or S (General Configuration)
p = A, or B (Accuracy and Calibration)
q = 0, 1, 2, 3, 4, 5, 6 or 7 (Mounting Bracket)
r = 0, or 1 (Customer Tag)
s = A0, A2, A6, or A7 (Conduit plugs and conduit adapter)
t = Two digit alphanumeric code (General options that do not impact certification)
v = Four digit alphanumeric code (Factory identification)

ST700LE: STFa-bcdefg-hjk-B-lmn-opq-s-tvw-x-yyy (Flange Mounted Liquid Level)

- STA725-bcdefg-hjk-B-lmn-opq-s-tvw-x-yyyy (0.5 to 50 psi / 0.035 to 3.5 bar)
- STA735-bcdefg-hjk-B-lmn-opq-s-tvw-x-yyyy (5 to 500 psi / 0.35 to 35 bar)
- STA72P-bcdefg-hjk-B-lmn-opq-s-tvw-x-yyyy (0.5 to 50 psi / 0.035 to 3.5 bar)
- STA73P-bcdefg-hjk-B-lmn-opq-s-tvw-x-yyyy (0 to 500 psia / 0.35 to 35 bar)

Where
b = A, W, B, E, X, F, J, M, N, R, S, 1, 2, 4, or 5 (process wetted head and barrier diaphragm material)
c = 1 or 2 (fill fluid)
d = A, C, H, K (Process connection)
e = C, S, or N (Bolt for Process Heads)
f = 1, 2, 3, 4, 5 or 6 (Vent/Drain Type/Location)
g = A or B (Gasket Material)
h= 1, 2, 3, 4, 5, 6, 7, 8, 9, A, B, C, D, E, F, Q, U, V, H, J, K, L, M, N, W, X, Z, S, T, P or R (Head/Connect orientations)
j = 0, 1, 2 or 5 (Gasket Ring)
k = 0, F, C, D or E (Extension)
B = C or D (IECEx or ATEX Approval)
l = A, B, C, D, E, F, G or H (Electronic Housing Material/entry type)
m = H (Output/Protocol)
n = 0, A, S, or T (Customer interface selections)
o = 1 (Application software)
p = 1, 2, 3, or 4 (Output limit, failsafe, write protection)
q = C or S (General Configuration)
s = A, or B (Accuracy and Calibration)

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t = 0, 1, 2, 3, 4, 5, 6 or 7 (Mounting Bracket)
v = 0 or 1 (Customer Tag)
w = A0, A2, A6, or A7 (Conduit plugs and conduit adapter)
x = Two digit alphanumeric code (General options that do not impact certification)
yyyy = Four digit alphanumeric code (Factory identification)

ST700LE: STRa-bcdefgh-iiijjklmn-B-opq-rst-vwx-yy-zzzz (Remote Seal)

- STR75D- bcdefgh-iiijjklmn-B-opq-rst-vwx-yy-zzzz (-1000 to 100 psi / -7 to 7 bar)
- STR84G- bcdefgh-iiijjklmn-B-opq-rst-vwx-yy-zzzz (-9 to 500 psi / -0.62 to 35 bar)

Where
b = 1, 2 or 3 (Number of Seals)
c = 1 or 2 (fill fluid)
d = A, B, C, D or E (construction)
e = 0, C, S, or N (Bolts and Nuts for Transmitter Heads)
f= 0, 1, 2, 3, 4 or 5 (Secondary fill fluid)
g = 0, A, B, C, D, E, F, G, H, J, K, L, M, 2 (Connection of remote seal to meter body)
h = 0, 1 or 4 (Seal Option)

VAM Unit- No Seal
i= 0 (No Seal)
j= 0 (No Wetted Materials)
k= 0 (No Non Wetted Materials)
l= 0 (No Capillary Connection)
m= 0 (No Calibration Rings)
n= 0 (No Plugs)

Flush Flanged Seal
i= AFA, AFC, or AFM (Flush flanged seal)
j = AA, AB, or AC (Wetted material)
k = 1 or 2 (Non-wetted material)
l = 1 or 2 (Seal capillary connection)
m= A, B, or C (Calibration Rings)
n= 0, H, J, M, N, P, Q, R, S

Flush Flanged Seal
i= BCA, BCC, BGA, BGC, BDA, BDC, BFC, CAA, CCA, CCC, CGA, CGC, CDA, CDC, DAA, DCA, DCC, DGA, DDA, DDC, DFA, DFC (Flush Flanged Seal with Lower)
j= Ba, BB, or BC (Wetted Material)
k= 4 or 5 (Non-Wetted Material)
l= 0 (Bolts)
m= 0, H, J, M, N, P, Q, R, S (Flushing Connections and Plugs)
n= k, G, T, L (Gasket)

Flange Seal with Extended Diaphragm
i= EFA, EFC, EFM, FGA, FGC, FGP (Flanged Seal with Extended Diaphragm)
j= EA, EB, EC (Wetted Material)
k= 7 or 8 (Non Wetted Material)

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l= 0 (Bolts)
m= 2, 4, 6 (Extension Length)
n= 0 (No Selection)

Pancake Seal
i= GFA (Pancake Seal)
j= GA, GB, GC (Wetted Material)
k= 0 (Non Wetted Material)
l= 0, (Bolts)
m= A, B, C, D (Calibration Rings)
n= H, J, M, N, P, Q, R, S (Flushing Connections and Plugs)

Seal with Threaded Process Connection
i= JJG, JKG, JLG, KJG, KKG, KLG, LJG, LKG, LLG (Seal with Threaded Process Connection)
j= JA, JB, JC, J, D, JE, JF, JG (Wetted Material)
k= A or C (Non Wetted Material)
l= C or D (Bolts)
m= 0, H, J, M, N, P, Q, R, S (Flushing Connections and Plugs)
n= K, G, T, L (Gasket)

B = C or D (IECEx or ATEX Approval)
o = A, B, C, D, E, F, G, H (Electronic Housing Material and Entry Type)
p = H (Output Protocol)
q = 0, A, S, T (Customer Interface Selection)
r= 1 (Application Software)
s = 1, 2, 3 or 4 (Output Limit, Failsafe & Write Protect)
t= S or C (General Configuration)
u= 0, A, or B (Accuracy and Calibration)
v = 0, 1, 2, 3, 4, 5, 6 or 7 (Mounting Bracket)
w= 0, 1, or 2 (Customer Tag)
x = A0, A2, A6, or A7 (Conduit plugs and conduit adapter)
y = Two digit alphanumeric code (General options that do not impact certification)
zzzz = Four digit alphanumeric code (Factory identification)

Variation 1 - This variation introduced the following changes:

i. To allow for 20% tolerance on inductor L5, Li was increased from 820 µH to 984 µH; the safety description in the description was amended accordingly.
ii. The enclosure cover was modified to use an under-cut in place of chamfer.
iii. The modification to boards to resolve manufacturing issues was recognised.
iv. The introduction of an alternative Terminal Block Board, p/n 50055719, that includes an Auxiliary Board, p/n 50054839, and an alternative Foundation Fieldbus/Profibus Communications Board, p/n 50054689. The description was modified to recognise this version and to clarify that the original version uses a HART/DE Communications Board.

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Variation 2 - This variation introduced the following changes:

i. The introduction of Pressure Transmitter STA7XX (Absolute), STD7XX (Differential), and STG7XX (Gauge) model series which are completely identical to the STA8XX (Absolute), STD8XX (Differential), and STG8XX (Gauge) model series, differing only in the factory calibration method/software. The description was modified to recognize these new versions.
ii. The introduction of Pressure Transmitter model series STF7XX and STF8XX (Flange Mount) and STR7XX and STR8XX (Remote Seal) which provide new methods of connection to the pressurized process. The description was modified to recognize these new versions.

Variation 3 - This variation introduced the following changes:

i. The HART/DE Terminal Block Board was revised to allow the Intrinsic Safety entity parameters for inductance (Li) to be reduced and current (Ii) to be increased as shown below:
Ui = 30 V, Ii = 225 mA, Pi = 900 mW, Ci = 3.9nF, Li = 0 µH
These parameters are only applicable to units manufactured after 27 September 2013
ii. The recognition of two additional manufacturing locations Pune, 411013 India and Chihuahua. Mexico.

Variation 4 - This variation introduced the following changes:

i. The recognition of changes to the input parameter Ii = 225mA (was 225mA) and Li = 0uH (was 984 µH), the values were amended above.
ii. Inductor L5 was moved behind the bridge diodes CR1 to CR5.
iii. Parameters were introduced to enable connection to FISCO protocol, the description was amended accordingly

Variation 5 - This variation introduced the following change:

i. The removal of the restriction on the ambient temperature range due to the display, the marking and product description is amended accordingly.

Variation 6 - This variation introduced the following changes:

i. The addition of a simple display board option for the ST700 model with a corresponding amendment to the product description.
ii. The manufacturing address in Pune has been amended from 56 & 57 Hadapsar Industrial Estate Pune 411013 India to Honeywell Automation India Ltd, Plot No. 3, Gat No. 181, Village Fulgaon, Tal-Haveli, Pune: 412216, Maharashtra, India.

Variation 7 - This variation introduced the following change:

i. The addition of ST700 LE (Line Extension) models to the existing certification.
ii. Following appropriate assessment to demonstrate compliance with the latest technical knowledge, IEC 60079-0:2011 and IEC 60079-11:2011 were replaced by EN60079-0: 2012/A11:2013 and EN 60079-11: 2012.
iii. Update of manufacturer's drawings.
iv. Removal of standard EN 60079-26:2006.

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14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Sira Reports and Certificate History

Issue	Date	Report no.	Comment
0	31 August 2012	R28471A/00	The release of the prime certificate.
1	14 January 2013	R29157A/00	The introduction of Variation 1.
2	14 June 2013	R30841A/00	The introduction of Variation 2.
3	8 July 2013	R30841A/01	Report R30841A/01 replaced R30841A/00.
4	11 September 2013	R31122A/00	The introduction of Variation 3.
5	11 March 2014	R32381A/00	The introduction of Variation 4.
6	23 April 2015	R70007409A	The introduction of Variation 5.
7	10 March 2016	R70056520A	The introduction of Variation 6.
8	22 December 2016	R70088004A	This Issue covers the following changes: • EC Type-Examination Certificate in accordance with 94/9/EC updated to EU Type-Examination Certificate in accordance with Directive 2014/34/EU. *(In accordance with Article 41 of Directive 2014/34/EU, EC Type-Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20 April 2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Variations to such EC Type-Examination Certificates may continue to bear the original certificate number issued prior to 20 April 2016.)* • The introduction of Variation 7.

15 SPECIFIC CONDITIONS OF USE (denoted by X after the certificate number)

15.1 The enclosure is manufactured from low copper aluminum alloy. In rare cases, ignition sources due to impact and friction sparks could occur. This shall be considered during installation, particularly if the equipment is installed in a zone 0 location.

15.2 If a charge-generating mechanism is present, the exposed metallic part on the enclosure is capable of storing a level of electrostatic charge that could become incendive for IIC gases. Therefore, the user/installer shall implement precautions to prevent the build up of electrostatic charge, e.g. earthing the metallic part. This is particularly important if the equipment is installed in a zone 0 location.

16 ESSENTIAL HEALTH AND SAFETY REQUIREMENTS OF ANNEX II (EHSRs)

The relevant EHSRs that are not addressed by the standards listed in this certificate have been identified and individually assessed in the reports listed in Section 14.2.

17 CONDITIONS OF MANUFACTURE

17.1 The use of this certificate is subject to the Regulations Applicable to Holders of Sira Certificates.

17.2 Holders of EU-Type Examination Certificates are required to comply with the conformity to type requirements defined in Article 13 of Directive 2014/34/EU.

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17.3 In accordance with IEC 60079-11:2011 clause 10.3, each manufactured sample of the equipment shall be subjected to an electric strength test using a test voltage of 500 Vac applied between the two input terminals and the enclosure. Alternatively, a voltage of 20% higher may be applied for 1 s. There shall be no evidence of flashover or breakdown and the maximum current flowing shall not exceed 5 mA.

17.4 Each manufactured sample shall withstand a pressure test to 1.5 times the maximum working pressure.

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Certificate Annexe

Certificate Number: Sira 12ATEX2233X

Equipment: Model ST700 and ST800 Pressure Transmitters

Applicant: HONEYWELL

Issue 0

Drawing no.	Sheets	Rev.	Date (Sira stamp)	Title
34-ST-25-35	1 to 4	21 Jun 12	16 Aug 12	User's Manual (selected pages)
34-XY-33-03	1 to 4	7 June 12	16 Aug 12	Installation Instruction for plugs and adapter
50049827	1 of 1	A	16 Aug 12	End Cap, aluminum
50049829	1 of 1	A	16 Aug 12	End Cap, with Window, aluminum
50049830	1 of 1	A6	16 Aug 12	Window
50049832	1 of 1	A	16 Aug 12	End Cap with Window assembly
50049882	1 of 1	A3	16 Aug 12	End Cap, stainless steel
50049884	1 of 1	A3	16 Aug 12	End Cap, with Window, stainless steel
50049889	1 of 1	A2	16 Aug 12	Nameplate – ATEX
50049892	1 to 2	A4	16 Aug 12	Control Drawing – I.S. and Div 2
50049903	1 to 4	A	16 Aug 12	Housing, aluminum
50049919	1 to 4	A1	16 Aug 12	Housing, stainless steel
50050918	1 of 1	A	16 Aug 12	Hart DE, PWB
50050919	1 to 3	C1	16 Aug 12	Hart DE, Assy
50050919-001	1 to 3	D	16 Aug 12	Hart, BOM, without Reed Switch Bd
50050919-002	1 to 3	D	16 Aug 12	Hart, BOM, with Reed Switch Bd
50050919-003	1 to 3	D	16 Aug 12	DE, BOM, without Reed Switch Bd
50050919-004	1 to 3	D	16 Aug 12	DE, BOM, with Reed Switch Bd
50050920	1 to 3	C	16 Aug 12	Hart DE Connectors Board, Schematic
50052625	1 of 1	A3	16 Aug 12	Advanced Display, PWB
50052626	1 to 4	C1	16 Aug 12	Advanced Display, Assy
50052626-001	1 to 3	C1	16 Aug 12	Advanced Display, BOM
50052627	1 to 2	A	16 Aug 12	Advanced Display Board, Schematic
50053142	1 of 1	A	16 Aug 12	Pressure Sensor, PWB
50053143	1 to 3	B	16 Aug 12	Pressure Sensor, Assy
50053143-001	1 to 2	B	16 Aug 12	Pressure Sensor, BOM
50053144	1 to 2	B	16 Aug 12	M360 Pressure Sensor Board, Schematic
50055715	1 of 1	C	16 Aug 12	Terminal Block, PWB
50055715-001	1 to 16	C	16 Aug 12	Terminal Block, artwork
50055716	1 to 3	C	16 Aug 12	Terminal Block, Assy
50055716-001	1 to 3	D	16 Aug 12	Terminal Block, BOM
50055716-002	1 to 3	D	16 Aug 12	Terminal Block, BOM
50055717	1 to 2	C	16 Aug 12	Terminal Block Board, Schematic
50064346	1 to 5	A6	16 Aug 12	Agency Drawing
50065673	1 of 1	A5	16 Aug 12	Basic Display, PWB
50065674	1 to 3	A5	16 Aug 12	Basic Display, Assembly
50065674-001	1 to 2	A5	16 Aug 12	Basic Display, BOM
50065675	1 of 1	A5	16 Aug 12	Basic Display Board, Schematic
50066127	1 of 1	A	16 Aug 12	Reed Switch, PWB
50066128	1 to 2	A	16 Aug 12	Reed Switch, Assembly
50066128-001	1 to 2	A	16 Aug 12	Reed Switch, BOM
50066129	1 of 1	A	16 Aug 12	Reed Switch Board, Schematic
50071726	1 of 1	A1	21st Aug 12	Nameplate, Top

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Equipment: Model ST700 and ST800 Pressure Transmitters

Applicant: HONEYWELL

Issue 1

Drawing no.	Sheets	Rev.	Date (Sira stamp)	Title
50049827	1 of 1	B	10 Jan 13	End Cap, aluminum
50049829	1 of 1	B	10 Jan 13	End Cap, with Window, aluminum
50049830	1 of 1	A	10 Jan 13	Window
50049832	1 of 2	B	10 Jan 13	End Cap with Window assembly
50049892	1 to 3	B2	10 Jan 13	End Cap, stainless steel
50052625	1 of 1	C	10 Jan 13	Advanced Display, PWB
50054688	1 of 1	A	10 Jan 13	Printed Wiring Board FF/PA Communications Board
50054689	1 to 3	A	10 Jan 13	Printed Wiring Board Assy FF/PA Communications Bd
50054689-001	1 to 3	A	10 Jan 13	Parts List FF/PA W/O Reed SW ST800
50054689-002	1 to 3	A	10 Jan 13	Parts List FF/PA With Reed SW ST800
50054690	1 of 4	A	10 Jan 13	Schematic: ST800 Fieldbus Foundation-FF/PA Com
50054838	1 of 1	A	10 Jan 13	Printed Wiring Board Auxiliary FF BD
50054839	1 to 3	A	10 Jan 13	Printed Wiring Assembly Auxiliary FF
50054839-001	1 to 2	A	10 Jan 13	Parts List ST800 Auxiliary BD Fieldbus
50054840	1 to 2	A	10 Jan 13	Schematic: ST800 Auxiliary BD Fieldbus
50055718	1 of 1	A	10 Jan 13	Printed Wiring Board Terminal Block FF
50055719	1 to 3	A	10 Jan 13	Printed Wiring Board Assy Terminal Block FF
50055719-001	1 to 2	A	10 Jan 13	Parts List TB Pressure/ FF ST800
50055719-002	1 to 2	A	10 Jan 13	Parts List TB Pressure/ FF LP ST800
50055720	1 to 2	A	10 Jan 13	Schematic: ST800 Terminal Block Bd Fieldbus
50064346	1 to 7	B1	10 Jan 13	Agency Drawing
50065673	1 of 1	B	10 Jan 13	Basic Display, PWB
50065674	1 to 4	B	10 Jan 13	Basic Display, Assembly
50065674-001	1 to 2	B	10 Jan 13	Basic Display, BOM
50065675	1 of 1	B	10 Jan 13	Basic Display Board, Schematic
50066128-001	1 to 2	B	10 Jan 13	Reed Switch, BOM

Issue 2

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
50049717	1 to 2	A3	07 Jun 13	Remote Seal In-Line AP/GP Transmitter Assy
50049719	1 to 8	A3	07 Jun 13	Method of Assembly Remote Seals
50049892	1 to 3	C	07 Jun 13	Control Drawing – I.S. and Div 2
50077401	1 to 2	A1	07 Jun 13	Meter Body Assembly Flange Mount CFF
50077521	1 to 3	A3	07 Jun 13	MOA, Meter Body Flange Mount
50077544	1 to 3	A2	07 Jun 13	Method of Assembly, 2” & 3” PSEUDO Flange Mounted
50049872	1 to 57	B	11 Jun 13	ST800/ST700 Pressure Transmitter Product Specification
50049889	1 of 1	D	13 Jun 13	Nameplate – ATEX
50071726	1 to 3	B	11 Jun 13	Nameplate – Product I.D.

Issue 3 - (No new drawings were introduced.)

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Applicant: HONEYWELL

Issue 4

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
50049839	1 to 4	E	05 Sep 13	Terminal Block Assembly
50049892	1 to 3	E	05 Sep 13	Control Drawing – I.S. and Div 2
50055715	1 of 1	D	05 Sep 13	Terminal Block, PWB
50055715-001	1 to 16	D	05 Sep 13	Terminal Block, artwork
50055716	1 to 3	D	05 Sep 13	Terminal Block, Assy
50055716-001	1 to 3	E	05 Sep 13	Terminal Block, BOM (Pressure/HART/DE)
50055716-002	1 to 3	F	05 Sep 13	Terminal Block, BOM (Pressure/HART/DE LP)
50055717	1 to 2	D	05 Sep 13	Terminal Block Board, Schematic
50064346	1 to 7	C	05 Sep 13	ST800 Agency Drawing
50074062	1 of 1	A	05 Sep 13	Label
S-12927-C	1 to 8	33	05 Sep 13	Date Coding & Serialization

Issue 5

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
50049892	1 to 4	F	27 Feb 14	Control Drawing
50055718	1 of 1	B	27 Feb 14	Printed Wiring Board Terminal Block FF
50055718-001	1 to 16	B	27 Feb 14	Gerber Files
50055719-001	1 to 2	C	27 Feb 14	Parts List TB Pressure/FF ST800
50055719-002	1 to 2	C	27 Feb 14	Parts List TB Pressure/FF ST800
50055720	2 of 2	B	27 Feb 14	Schematic ST800 Terminal Block BD Fieldbus
50064346	1 to 7	D	27 Feb 14	ST700/ST800 Agency Drawing
50091228	1 of 1	A	27 Feb 14	ST700/ST800 FISCO Label

Issue 6

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
50049889	1 of 1	E	24 Feb 15	Agency Nameplate ATEX
50091228	1 of 1	C	07 Apr 15	ST700/ST800 FISCO Label

Issue 7

Drawing	Sheets	Rev.	Date (Sira stamp)	Description
50064346	1 to 7	F	17 Feb 16	Agency Drawing
50125998	1 of 1	A	17 Feb 16	Simple Display Printed Wiring Board
50125999	1 to 3	A	17 Feb 16	Simple Display, Printed Wiring Assembly Drawing
50125999-001	1 to 2	A	17 Feb 16	Simple Display, Bill of Material
50126000	1 of 1	A	17 Feb 16	Simple Display, Schematic

Issued 8

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
30752785	1 of 1	23	13 Dec 16	"O" Ring (TAB 146 and TAB 130)
30756916	1 of 1	3	29 Nov 16	Cup terminal, Wire Keeper
50049826	1 of 1	C	29 Nov 16	Short Cap Die Casting
50049827	1 of 1	F	29 Nov 16	End Cap, aluminum
50049828	1 to 2	C	29 Nov 16	Meter Cap Die Casting
50049829	1 to 2	F	29 Nov 16	End Cap, with Window, aluminum
50049831	1 of 1	A	29 Nov 16	Retainer, Glass
50049832	1 to 2	E	29 Nov 16	End Cap with Window assembly

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Equipment: Model ST700 and ST800 Pressure Transmitters

Applicant: HONEYWELL

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
50049903	1 to 4	G	29 Nov 16	Housing, aluminum
50049918	1 to 6	C	29 Nov 16	Transmitter Housing Casting, Stn Stl, Pressure
50049919	1 to 4	D	29 Nov 16	Housing, stainless steel
50000682	1 of 1	E	29 Nov 16	Adapter 1/2 NPT Male to 3/4 NPT Female
50021832	1 of 1	J	13 Dec 16	Plug, Pipe Headless Socket
50028178	1 of 1	B	29 Nov 16	Ground Clamp Transmitter
50049881	1 to 2	B	29 Nov 16	Short Cap Stainless Steel Casting
50049882	1 of 1	A	29 Nov 16	End Cap, stainless steel
50049883	1 to 2	A	29 Nov 16	End Cap Casting Stainless Steel, Meter
50049884	1 of 1	A	29 Nov 16	End Cap, with Window, stainless steel
50049840	1 to 2	A	29 Nov 16	Terminal Block Molding, ST700LE
50049842	1 of 1	B	29 Nov 16	Terminal Block Screw Terminal, ST700LE
50049874	1 of 1	C	29 Nov 16	Terminal Block Terminal Lug, ST700LE
50129829	1 of 1	A	13 Dec 16	Terminal Block Board, ST700LE, Fabrication Drawing
50129830	1 to 3	A	13 Dec 16	Terminal Block Board, ST700LE, Assembly Drawing
50129830-001	1 to 2	A	13 Dec 16	Terminal Block, ST700LE, BOM -001
50129830-002	1 to 2	A	13 Dec 16	Terminal Block, ST700LE, BOM -002
50129831	1 of 1	A	13 Dec 16	Terminal Block, ST700LE, Schematic
50049850	1 to 2	A	29 Nov 16	Communication Module Molding, ST700LE
50129825	1 of 1	B	13 Dec 16	Communications Board, ST700LE, Fabrication Drawing.
50129826	1 to 3	B	13 Dec 16	Communications Board, ST700LE, Assembly Drawing.
50129826-001	1 to 3	B	13 Dec 16	Communications Board, ST700LE, BOM -001
50129826-002	1 to 3	B	13 Dec 16	Communications Board, ST700LE, BOM -002
50129827	1 to 2	B	13 Dec 16	Communications Board, ST700LE, Fabrication Drawing
50052624	1 of 1	E	13 Dec 16	Ribbon Cable Assembly, Sensor Board to Communications Board
50129822	1 of 1	A	13 Dec 16	Sensor Board, ST700LE, Fabrication Drawing
50129823	1 to 3	A	19 Dec 16	Sensor Board, ST700LE, Assembly Drawing
50129823-001	1 to 2	A	13 Dec 16	Sensor Board, ST700LE, BOM
50129824	1 to 2	A	13 Dec 16	Sensor Board, ST700LE, Schematic
50125999	1 to 3	B	13 Dec 16	Simple Display, Printed Wiring Assembly Drawing
50125999-001	1 to 2	B	13 Dec 16	Simple Display, Bill of Material
50049892	1 to 5	G	29 Nov 16	Control Drawing
50049889	1 of 1	F	29 Nov 16	ATEX Nameplate
50071726	1 to 3	E	13 Dec 16	Product I.D. Nameplate
50064346	1 to 9	G	13 Dec 16	Agency Drawing

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