



1 EU-TYPE EXAMINATION CERTIFICATE

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

3 Certificate Number: Sira 12ATEX2233X Issue: 13

4 Equipment: Model ST700 and ST800 Pressure Transmitters

5 Applicant: Honeywell Inc.

6 Address: 512 Virginia Drive
Fort Washington, PA 19034
United States of America

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

8 CSA Group Netherlands B.V., notified body number 2813 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:

- | | | |
|---------------------|------------------|-------------------|
| EN IEC 60079-0:2018 | EN 60079-1:2014 | EN 60079-11: 2012 |
| EN 60079-26: 2015 | EN 60079-31:2014 | |

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	FISCO Field Device
⊕ II 1G and II 1/2G and II 2D	⊕ II 1G
Ex ia IIC T4 Ga	Ex ia IIC T4 Ga
Ta: -50°C to +70°C	Ta: -50°C to +70°C
Ex db IIC T6...T4 Ga/Gb	FISCO Field Device
Ta: -50°C to +65°C for T6	
Ta: -50°C to +85°C for T5...T4	
Ex tb IIIC T95°C...T120°C Db	
Ta: -50°C to +65°C for T110°C...T120°C	
Ta: -50°C to +85°C for T95°C...T110°C	

IP66/IP67

IP66/IP67

Project Number 80035899

Signed: J A May

Title: Director of Operations

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Utrechtseweg 310,
6812 AR, Arnhem,
Netherlands



SCHEDULE

EU-TYPE EXAMINATION CERTIFICATE

SIRA 12ATEX2233X
Issue 13

13 DESCRIPTION OF EQUIPMENT

Intrinsic Safety Description:
Type ia and FISCO ia

The Models ST700/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 Models ST700/ST800 is available with either a HART/DE Communications Board or Foundation Fieldbus/Profibus Communication Board.

The equipment has been separately tested against the requirements of IEC 60529 and meets IP66/67.

Model ST800 and ST700 HART/DE - This version is Intrinsically Safe when installed per drawing 50049892 page 2 with the following entity parameters:

$U_i = 30\text{ V}$, $I_i = 105\text{ mA}$, $P_i = 900\text{ mW}$, $C_i = 0.004\text{ }\mu\text{F}$, $L_i = 984\text{ }\mu\text{H}$

$U_i = 30\text{ V}$, $I_i = 225\text{ mA}$, $P_i = 900\text{ mW}$, $C_i = 0.004\text{ }\mu\text{F}$, $L_i = 0\text{ }\mu\text{H}$ Terminal Module Revision E or Later*

Note 1: THE REVISION IS ON THE LABEL THAT IS ON THE MODULE. THERE WILL BE TWO LINES OF TEXT ON THE LABEL:

- FIRST IS THE MODULE PART #: 50049839-001 OR 50049839-002
- SECOND LINE HAS THE SUPPLIER INFORMATION, ALONG WITH THE REVISION: XXXXXXX-FXXXX, THE "X" IS PRODUCTION RELATED; THE POSITION OF THE "E" IS THE REVISION.

Model ST800 and ST700 FF/PA - This version is Intrinsically Safe when installed per drawing 50049892 page 4 with the following entity parameters:

$U_i = 30\text{ V}$, $I_i = 180\text{ mA}$, $P_i = 1\text{ W}$, $C_i = 0\text{ }\mu\text{F}$, $L_i = 984\text{ }\mu\text{H}$

$U_i = 30\text{ V}$, $I_i = 225\text{ mA}$, $P_i = 1\text{ W}$, $C_i = 0\text{ }\mu\text{F}$, $L_i = 0\text{ }\mu\text{H}$ Terminal Module Revision F or Later*

Note 1: THE REVISION IS ON THE LABEL THAT IS ON THE MODULE. THERE WILL BE TWO LINES OF TEXT ON THE LABEL:

- FIRST IS THE MODULE PART #: 50049839-003 OR 50049839-004
- SECOND LINE HAS THE SUPPLIER INFORMATION, ALONG WITH THE REVISION: XXXXXXX-FXXXX, THE "X" IS PRODUCTION RELATED; THE POSITION OF THE "F" IS THE REVISION.

Model ST800 and ST700 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 page 5 with entity parameters:

$U_i = 17.5\text{ V}$, $I_i = 380\text{ mA}$, $P_i = 5.32\text{ W}$, $C_i = 0\text{ }\mu\text{F}$, $L_i = 0\text{ }\mu\text{H}$



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Model ST700 and ST800 Comparison

The following pressure transmitters are identical in construction differing only in the factory calibration methods/software:

700 Series	800 Series
STA7XX (Absolute)	STA8XX (Absolute)
STD7XX (Differential)	STD8XX (Differential)
STF7XX (Flange Mounted)	STF8XX (Flange Mounted)
STR7XX (Remote Seal)	STR8XX (Remote Seal)
STG7XX (Gauge)	STG8XX (Gauge)

Model ST700LE

The model ST700LE use the same enclosure, process connections, and field wiring terminals but use different electronic PCBs than the model ST700.

Model ST700LE Pressure Transmitter – HART Communications, Rated 11-42Vdc, 4-20 mA max. Intrinsically safe when installed per drawing 50049892 page 2 with entity parameters:
Ui = 30 V, Ii = 225 mA, Pi = 900 mW, Ci = 0.004 µF, Li = 0 µH

Type tb and db Description

The Models ST700/ST800 is rated for process temperatures 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 Models ST700/ST800 is available with either a HART/DE Communications Board or Foundation Fieldbus/Profibus Communication Board.

The equipment has been separately tested against the requirements of IEC 60529 and meets IP66/67.

Model ST800, ST700 HART/DE and ST700LE HART – This version is rated 11 to 42 Vdc, 4-20 mA and the current extremes under fault are approximately 2 mA and 22 mA.

Model ST800 and ST700 FF/PA – The rated supply of this version is 9 to 32 Vdc is and the maximum current is less than 25 mA.

Model ST700 and ST800 Comparison

The following pressure transmitters are identical in construction differing only in the factory calibration methods/software:

700 Series	800 Series
STA7XX (Absolute)	STA8XX (Absolute)
STD7XX (Differential)	STD8XX (Differential)
STF7XX (Flange Mounted)	STF8XX (Flange Mounted)
STR7XX (Remote Seal)	STR8XX (Remote Seal)
STG7XX (Gauge)	STG8XX (Gauge)



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Model ST700LE

The model ST700LE use the same enclosure, process connections, and field wiring terminals but use different electronic PCBs than the model ST700.

Model Designations:

STA8XX Series STA8XX-bcdefg-h-C ('C' for ATEX)

- 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,B,D,G or H (Process Connection)

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,H,J or 0 (Indicator/zero-span buttons/language)

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)

STD8XX Series STD8XX-bcdefgh-i-C ('C' for ATEX)

- 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 (Process Connection)

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 = A,B or C (Gasket Material)

h = H or S (Static Pressure)

i = 1,2 or 3 (Head/Connect orientations)

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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,H,J or 0 (Indicator/zero-span buttons/language)
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)

- 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)

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 = 1,2,3 or 4 (fill fluid)
d = A,B,D,G or H (Process Connection)
e = 0,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,G,H,J or 0 (Indicator/zero-span buttons/language)
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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STF8XX Series: STF8XX-bcdefg-hjk-C ('C' for ATEX)

- 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 = 1,2,3 or 4(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 (Flange)
- 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 Housing Material and Entry type)
- m= H, D, F, P (Output/ Protocol)
- n = A,B,C,D,E,H,J or 0 (Indicator/zero-span buttons/language)
- 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 (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-hhhjklmn-C ('C' for ATEX)

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

Where:

- a= 1, 2, 3 or 5 (Number of Seals)
- b = 1, 2, 3 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 Housing Material and Entry type)

q= H, D, F, P (Output/ Protocol)

r = A,B,C,D,E,H,J or 0 (Indicator/zero-span buttons/language)

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 or B (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)

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-A (A = 'C' for ATEX, '1' for dual ATEX and IECEx certification)

- STA722-bcdefg-h-A-jkl-mno-p-qrs-t-v (Dual Head Absolute), MWP 15 psi (1.04 barA)
- STA740-bcdefg-h-A-jkl-mno-p-qrs-t-v (Dual Head Absolute), MWP 500 psi (35 barA)
- STA72L-bcdefg-h-A-jkl-mno-p-qrs-t-v (In-line Absolute), MWP 15 psi (1.04 barA)
- STA74L-bcdefg-h-A-jkl-mno-p-qrs-t-v (In-Line Absolute), MWP 500 psi (35 barA)
- STA77L-bcdefg-h-A-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, or L (process wetted head and barrier diaphragm material)

c = 1,2 or 3 (fill fluid)

d = A,B,D,G or H (Process Connection)

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 or H (Output/Protocol)

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l = A,B,C,D, S or 0 (Indicator/zero-span buttons/language)
m = 1 (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 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, 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-A (A = 'C' for ATEX, '1' for dual ATEX and IECEx certification for 720,730 and 770 only)

- STD710- bcdefgh-i-A-jkl-mno-p-qrs-t-v (-10 to +10" H₂O), MWP 4500 or 6000 psi
- STD720- bcdefgh-i-A-jkl-mno-p-qrs-t-v (-400" to 400" H₂O), MWP 4500 or 6000 psi
- STD730- bcdefgh-i-A-jkl-mno-p-qrs-t-v (-100 to 100 psi), MWP 4500 or 6000 psi
- STD770- bcdefgh-i-A-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 or L (process wetted head and diaphragm material)
c = 1,2,3 or 4 (fill fluid)
d = A or H (Process Connection)
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 = A,B or C (Gasket Material)
h = H or S (Static Pressure)
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 or H (Output/Protocol)
l = A,B,C,D,0 or S (Indicator/zero-span buttons/language)
m = 1 (Application software)
n = 1,2,3,4,5 or 6 (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, 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)



SCHEDULE

EU-TYPE EXAMINATION CERTIFICATE

SIRA 12ATEX2233X

Issue 13

STG7XX Series: STG7XX-bcdefg-h-A (A = 'C' for ATEX, '1' for dual ATEX and IECEx certification for 730, 770, 73L, 74L, 77L, 78L, 79L only.)

- STG730-bcdefg-h-A-jkl-mno-p-qrs-t-v (Dual Head Gauge), MWP 50 psi (3.5 bar)
- STG740-bcdefg-h-A-jkl-mno-p-qrs-t-v (Dual Head Gauge), MWP 500 psi (35 bar)
- STG770-bcdefg-h-A-jkl-mno-p-qrs-t-v (Dual Head Gauge), MWP 3000 psi (210 bar)
- STG73L-bcdefg-h-A-jkl-mno-p-qrs-t-v (In-Line Gauge), MWP 500 psi (3.5 bar)
- STG74L-bcdefg-h-A-jkl-mno-p-qrs-t-v (In-Line Gauge), MWP 500 psi (35 bar)
- STG77L-bcdefg-h-A-jkl-mno-p-qrs-t-v (In-Line Gauge), MWP 3000 psi (210 bar)
- STG78L-bcdefg-h-A-jkl-mno-p-qrs-t-v (In-Line Gauge), MWP 6,000 psi (420 bar)
- STG79L-bcdefg-h-A-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 or L (process wetted head and barrier diaphragm material)

c = 1,2 or 3 (fill fluid)

d = A,B,D,G or H (Process Connection)

e = B,C,D,K,M,N,O 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 or H (Output/Protocol)

l = A,B,C,D or 0 (Indicator/zero-span buttons/language)

m = 1 (Application software)

n = 1,2,3,4,5 or 6 (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, 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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EU-TYPE EXAMINATION CERTIFICATE

SIRA 12ATEX2233X
Issue 13

STF7XX Series: STF7XX-bcdefg-hjk- C ('C' for ATEX)

- 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 = 1,2,3 or 4 (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, Z, S, T, P or R (Flange)

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 Housing Material and Entry type)

m = H, D or F (Output/ Protocol)

n = A,B,C,D,S or 0 (Indicator/zero-span buttons/language)

o = 1 (Application software)

p = 1,2,3,4,5 or 6 (Output limit, failsafe, write protection)

q = C or S (General Configuration)

s = A or B (Accuracy and Calibration)

t = 0 (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)



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EU-TYPE EXAMINATION CERTIFICATE

SIRA 12ATEX2233X
Issue 13

STR7XX: STR7XX-bcdefg-hhhjjklmn-C ('C' for ATEX)

- STR73D-abcdefg-hhhjjklmn-C-pqr-stv-w-xyzz-G-FFFF, MWP 1,500 psi
- STR74G-abcdefg-hhhjjklmn-C-pqr-stv-w-xyzz-G-FFFF, MWP 500 psi

Where:

a= 1, 2 or 3 (Number of Seals)

b = 1, 2, 3 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 or 5 (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)



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EU-TYPE EXAMINATION CERTIFICATE

SIRA 12ATEX2233X
Issue 13

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 Housing Material and Entry type)
q= H, D or F (Output/ Protocol)
r = A,B,C,D,S or 0 (Indicator/zero-span buttons/language)
s = 1 (Application software)
t = 1,2,3,4,5 or 6 (Output limit, failsafe, write protection)
v = C or S (General Configuration)
w = A or B (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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EU-TYPE EXAMINATION CERTIFICATE

SIRA 12ATEX2233X

Issue 13

STD700LE: STDa-bcdefgh-i-C-jkl-mno-p-qrs-t-v ('C' for ATEX)

- STD725-bcdefgh-i-C-jkl-mno-p-qrs-t-v (Differential Pressure, -400" to 400" H₂O / -1000 to 1000 mbar)
- STD735-bcdefgh-i-C-jkl-mno-p-qrs-t-v (Differential Pressure, -100 to 100 psi / 0 to 7 bar)
- STD775-bcdefgh-i-C-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 (Process Connections)

e = C, S, N, K or D (Bolt Material)

f = 1, 2, 3, 4, 5 or 6 (Vent/Drain Type/Location)

g = A, B, or C (Gasket Material)

h = S (static pressure)

i = 1, 2 or 3 (Head/Connect orientations)

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, 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)

STG700LE: STGa-bcdefgh-i-C-jkl-mno-p-qrs-t-v ('C' for ATEX)

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

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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CSA Group Netherlands B.V.
Utrechtseweg 310
6812 AR, Arnhem,
Netherlands



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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 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)

STA700LE: STAA-bcdefgh-i-C-jkl-mno-p-qrs-t-v ('C' for ATEX)

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

STF700LE: STFa-bcdefg-hjk-C-lmn-opq-s-tvw-x-yyy ('C' for ATEX)

- STF725-bcdefg-hjk-C-lmn-opq-s-tvw-x-yyy (0.5 to 50 psi / 0.035 to 3.5 bar)
- STF735-bcdefg-hjk-C-lmn-opq-s-tvw-x-yyy (5 to 500 psi / 0.35 to 35 bar)
- STF72P-bcdefg-hjk-C-lmn-opq-s-tvw-x-yyy (0.5 to 50 psi / 0.035 to 3.5 bar)
- STF73P-bcdefg-hjk-C-lmn-opq-s-tvw-x-yyy (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)

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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)
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)
t = 0 (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)

STR700LE: STRa-bcdefgh-iiijklmn-C-opq-rst-vwx-yy-zzzz ('C' for ATEX)
· STR735D- bcdefgh-iiijklmn-C-opq-rst-vwx-yy-zzzz (-1000 to 100 psi / -7 to 7 bar)
· STR745G- bcdefgh-iiijklmn-C-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 (Flange Type and Size)
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 (Flushing Connections and Plugs)



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Flush Flanged Seal with Lower

i= BCA, BCC, BGA, BGC, BDA, BDC, BFC, CAA, CCA, CCC, CGA, CGC, CDA, CDC, DAA, DCA, DCC, DGA, DDA, DDC, DFA, DFC (Flange Type and Size)

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 (Flange Type and Size)

j= EA, EB, EC (Wetted Material)

k= 7 or 8 (Non Wetted Material)

l= 0 (Bolts)

m= 2, 4, 6 (Extension Length)

n= 0 (No Selection)

Pancake Seal

i= GFA (Flange Type and Size)

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 (Flange Type and Size)

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)

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)



SCHEDULE

EU-TYPE EXAMINATION CERTIFICATE

SIRA 12ATEX2233X
Issue 13

Process Transmitter Models with Co-Planar Meter Bodies:

STD8XXC series: STD8XXC-bcdefg-h-i-C ('C' for ATEX)

- STD810C-bcdefg-h-i-C-klm-nop-q-rst-u-v (-10 to +10" H2O, -2.5 to +2.5 kPa)
- STD820C-bcdefg-h-i-C-klm-nop-q-rst-u-v (-400 to +400" H2O, -100 to +100 kPa)
- STD825C-bcdefg-h-i-C-klm-nop-q-rst-u-v (-600 to +600" H2O, -149.5 to +149.5 kPa)
- STD830C-bcdefg-h-i-C-klm-nop-q-rst-u-v (-100 to +100 psi, -700 to +700 kPa)
- STD870C-bcdefg-h-i-C-klm-nop-q-rst-u-v (-14.2 to +3,000 psi, -210 to +21,000 kPa)

Where:

b = A,B,C,D,1,2 or 3 (Diaphragm material)

c = 0,A,1,B,2,C,3,D,4,E,5,F,6,G,7,H or 8 (Process flange and vent / drain plugs)

d = 1,2,3 or 4 (Fill fluid)

e = A or H (Process connection)

f = 0,C,S,N,K,M,D or B (Bolts / nuts materials)

h = S or H (Static pressure)

i = 0 (Head / connect orientation)

k = A,B,C,D,E,F,G or H (Electronic housing material and entry type)

l = H,D or F (Output / protocol)

m = 0,A,B,C,D,E,H or J (Customer interface selections)

n = 1 or 2 (Application software)

o = 1,2,3,4,5 or 6 (Output limit, failsafe and write protection settings)

p = S or C (General configuration)

q = A,B,C,D,E,F,G or H (Accuracy and calibration)

r = 0,W,X,Y,1,2,3,8,4,B,5,6 or 7 (Mounting bracket)

s = 0,1 or 2 (Customer tag)

t = A0,A2,A6,A7,A8 or A9 (Conduit plugs and conduit adapters)

u = Two digit alphanumeric code (General options that do not impact certification)

v = Four digit alphanumeric code (Factory identification)

STG8XXC series: STD8XXC- bcdefg-h-C ('C' for ATEX)

- STG830C-bcdefg-h-C-jkm-nop-q-rst-u-v (Dual Head Gauge) (0.5 to 50 psi, 3.5 to 350 kPa)
- STG840C-bcdefg-h-C-jkm-nop-q-rst-u-v (Dual Head Gauge) (5 to 500 psi, 35 to 3,500 kPa)
- STG870C-bcdefg-h-C-jkm-nop-q-rst-u-v (Dual Head Gauge) (30 to 3,000 psi, 210 to 21,000 kPa)

Where:

b = A,B,C,D,1,2 or 3 (Diaphragm material)

c = 0,A,1,B,2,C,3,D,4,E,5,F,6,G,7,H or 8 (Process flange and vent / drain plugs)

d = 1,2,3 or 4 (Fill fluid)

e = D or G (Process connection)

f = 0,C,S,N,K,M,D or B (Bolts / nuts materials)

g = A,B or C (Gasket material)

h = 0 (Head / connect orientation)

j = A,B,C,D,E,F,G or H (Electronic housing material and entry type)

k = H,D or F (Output / protocol)

m = 0,A,B,C,D,E,H or J (Customer interface selections)

n = 1 or 2 (Application software)

o = 1,2,3,4,5 or 6 (Output limit, failsafe and write protection settings)

p = S or C (Application software)

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q = A,B,C,D,E,F,G or H (Accuracy and calibration)
r = 0,W,X,Y,1,2,3,8,4,B,5,6 or 7 (Mounting bracket)
s = 0,1 or 2 (Customer tag)
t = A0,A2,A6,A7,A8 or A9 (Conduit plugs and conduit adapters)
u = Two digit alphanumeric code (General options that do not impact certification)
v = Four digit alphanumeric code (Factory identification)

STD7XXC series: STD7XXC-bcdefg-h-i-C ('C' for ATEX)

- STD720C-bcdefg-h-i-C-klm-nop-q-rst-u-v (-400 to +400" H2O, -100 to +100 kPa)
- STD725C-bcdefg-h-i-C-klm-nop-q-rst-u-v (-400 to +400" H2O, -100 to +100 kPa)
- STD730C-bcdefg-h-i-C-klm-nop-q-rst-u-v (-100 to +100 psi, -700 to +700 kPa)
- STD735C-bcdefg-h-i-C-klm-nop-q-rst-u-v (-100 to +100 psi, -700 to +700 kPa)
- STD770C-bcdefg-h-i-C-klm-nop-q-rst-u-v (-14.2 to +3,000 psi, -210 to +21,000 kPa)
- STD775C-bcdefg-h-i-C-klm-nop-q-rst-u-v (-14.2 to +3,000 psi, -210 to +21,000 kPa)

b = A,B,C or D (Diaphragm material)
c = 0,A,1,B,2,C,3,D,4,E,5,F,6,G,7,H or 8 (Process flange and vent / drain plugs)
d = 1,2,3 or 4 (Fill fluid)
e = A or H (Process connection)
f = 0,C,S,N,K,M,D or B (Bolts / nuts materials)
g = A,B or C (Gasket material)
h = S (Static pressure)
i = 0 (Head / connect orientation)
k = A,B,C,D,E,F,G or H (Electronic housing material and entry type)
l = H,D or F (Output / protocol)
m = 0,A,B,C,S or T (Customer interface selections)
n = 1 (Application software)
o = 1,2,3,4,5 or 6 (Output limit, failsafe and write protection settings)
p = S or C (General configuration)
q = A or B (Accuracy and calibration)
r = 0,W,X,Y,1,2,3,8,4,B,5,6 or 7 (Mounting bracket)
s = 0,1 or 2 (Customer tag)
t = A0,A2,A6,A7,A8 or A9 (Conduit plugs and conduit adapters)
u = Two digit alphanumeric code (General options that do not impact certification)
v = Four digit alphanumeric code (Factory identification)



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STG7XXC series: STG7XXC- bcdefg-h-C ('C' for ATEX)

- STG730C-bcdefg-h-C-jkm-nop-q-rst-u-v (Dual Head Gauge) (0.5 to 50 psi, 3.5 to 350 kPa)
- STG735C-bcdefg-h-C-jkm-nop-q-rst-u-v (Dual Head Gauge) (0.5 to 50 psi, 3.5 to 350 kPa)
- STG740C-bcdefg-h-C-jkm-nop-q-rst-u-v (Dual Head Gauge) (5 to 500 psi, 35 to 3,500 kPa)
- STG745C-bcdefg-h-C-jkm-nop-q-rst-u-v (Dual Head Gauge) (5 to 500 psi, 35 to 3,500 kPa)
- STG770C-bcdefg-h-C-jkm-nop-q-rst-u-v (Dual Head Gauge) (30 to 3,000 psi, 210 to 21,000 kPa)
- STG775C-bcdefg-h-C-jkm-nop-q-rst-u-v (Dual Head Gauge) (30 to 3,000 psi, 210 to 21,000 kPa)

Where:

b = A,B,C or D (Diaphragm material)

c = 0,A,1,B,2,C,3,D,4,E,5,F,6,G,7,H or 8 (Process flange and vent / drain plugs)

d = 1,2,3 or 4 (Fill fluid)

e = 0,D or G (Process connection)

f = 0,C,S,N,K,M,D or B (Bolts / nuts materials)

g = 0,A,B or C (Gasket material)

h = 0 (Head / connect orientation)

j = A,B,C,D,E,F,G or H (Electronic housing material and entry type)

k = H,D or F (Output / protocol)

m = 0,A,B,C,S or T (Customer interface selections)

n = 1 or 2 (Application software)

o = 1,2,3,4,5 or 6 (Output limit, failsafe and write protection settings)

p = S or C (Application software)

q = A or B (Accuracy and calibration)

r = 0,W,X,Y,1,2,3,8,4,B,5,6,7 or L (Mounting bracket)

s = 0,1 or 2 (Customer tag)

t = A0,A2,A6,A7,A8 or A9 (Conduit plugs and conduit adapters)

u = Two digit alphanumeric code (General options that do not impact certification)

v = Four digit alphanumeric code (Factory identification)

Variation 1 - This variation introduced the following changes:

- To allow for 20% tolerance on inductor L5, Li was reased from 820 μ H to 984 μ H; the safety description in the description was amended accordingly.
- The enclosure cover was modified to use an under-cut in place of chamfer.
- The modification to boards to resolve manufacturing issues was recognised.
- 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 reased as shown below:
 $U_i = 30 \text{ V}$, $I_i = 225 \text{ mA}$, $P_i = 900 \text{ mW}$, $C_i = 3.9 \text{ nF}$, $L_i = 0 \text{ } \mu\text{H}$
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 $I_i = 225 \text{ mA}$ (was 225mA) and $L_i = 0 \text{ } \mu\text{H}$ (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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Variation 8 - This variation introduced the following change:

- i. The introduction for ATEX/IEC Ex Dual marked option '1' version for STA7XX Series, STD7XX Series and STG7XX Series, the description was amended to reflect this new model.
- ii. The introduction of an additional label drawing calling out the Dual marked label for the new option '1' version.

Variation 9 - This variation introduced the following change:

- i. Introduction of new Models with Ex db and Ex tb types of protection; per the addition of standards EN 60079-1 and EN 60079-31.
- ii. The addition of standard EN 60079-26; the new models can be installed in the boundary wall between an area of EPL Ga and the less hazardous area EPL Gb.
- iii. Introduction of new Conditions of Manufacture and Specific Conditions of Use; related to the introduction of Ex db, Ex tb and EN 60079-26 (boundary between EPL Ga and EPL Gb).
- iv. Update to Manufacturers documents.
- v. The product description was amended to reflect the new models and to correct typographical errors.
- vi. The addition of Honeywell Turki Arabia Limited Manufacturing facility was recognised.

Variation 10 - This variation introduced the following change:

- i. Introduction of new Pressure Transmitter models with Co-Planar Meter Bodies. The Product Description and Conditions Use were amended to reflect the new Pressure Transmitter models with Co-Planar Meter Bodies.
- ii. Ex tb Temperature range was amended from T95°C...T125°C to T95°C...T120°C and Ta was broken into two ranges: -50°C to +65°C and -50°C to +68°C. The Markings section and Conditions of Use were amended to reflect new Temperature ranges.
- iii. Tp Process temperature ratings clarified. The Markings and Conditions of Use were revised to reflect the clarified Tp process temperature ratings..

Variation 11 - This variation introduced the following change:

- i. Following an appropriate assessment to demonstrate compliance with the latest technical knowledge, EN 60079-0:2012+A11:2013 Ed 6 was replaced by EN IEC 60079-0:2018.
- ii. Corrected the model code in the product description and Annex.
- iii. Minor hardware changes and firmware changes with related drawings amendment.
- iv. The certificate was brought in line with IECEx certificate no. IECEx SIR 12.0100X regarding compliance to IEC 60079-31:2013 Ed.2, with compliance to EN 60079-31:2014 being included.



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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: <ul style="list-style-type: none"> EC Type-Examination Certificate in accordance with 94/9/EC updated to EU Type-Examination Certificate in accordance with Directive 2014/34/EU. <i>(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.)</i> The introduction of Variation 7.
9	09 November 2017	R70132986A	The introduction of Variation 8.
10	25 May 2018	R70158457A	The introduction of Variation 9.
11	24 July 2018	R70181060A	The introduction of Variation 10.
12	15 October 2019	0405	Transfer of certificate SIRA 12ATEX2233X from Sira Certification Service to CSA Group Netherlands B.V..
13	27 August 2020	R80035899A	The introduction of Variation 11.

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

15.2 Intrinsic Safety Versions:

15.2.1 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.

15.2.2 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 endive 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.

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15.2.3 The applicable temperature class, ambient temperature (Ta) range and process temperature (Tp) range of the equipment when installed with type protection “Ex ia” (with or without FISCO) is as follows:

Protection type	Temperature Class
	T4
Ex ia (de facto Meter Body)	Ta = -50 to 70°C Tp = -40 to 125°C
Ex ia (Co-Planar Meter Body)	Ta = -50 to 70°C Tp = -40 to 120°C

15.3 Flameproof and Dustproof Versions:

15.3.1 The applicable temperature class, ambient temperature (Ta) range and process temperature (Tp) range of the equipment when installed with type protection “Ex db” is as follows:

Protection type	Temperature Class		
	T4	T5	T6
Ex db (de facto Meter Body)	Ta = -50 to 85°C Tp = -40 to 125°C	Ta = -50 to 85°C Tp = -40 to 95°C	Ta = -50 to 65°C Tp = -40 to 80°C
Ex db (Co-Planar Meter Body)	Ta = -50 to 85°C Tp = -40 to 110°C	Ta = -50 to 85°C Tp = -40 to 95°C	Ta = -50 to 65°C Tp = -40 to 80°C

The applicable surface temperature, ambient temperature (Ta) range and process temperature (Tp) range of the equipment when installed with type protection “Ex tb” is as follows:

Protection type	Surface Temperature			
	T125°C	T120°C	T110°C	T95°C
Ex tb (de facto Meter Body)	Ta = -50 to 85°C Tp = -40 to 125°C	--	--	Ta = -50 to 85°C Tp = -40 to 95°C
Ex tb (Co-Planar Meter Body)	--	Ta = -50 to 65°C Tp = -40 to 120°C	Ta = -50 to 85°C Tp = -40 to 110°C	Ta = -50 to 85°C Tp = -40 to 95°C

15.3.2 Consult Manufacturer for dimensional information on the flameproof joints for repair

15.3.3 The Transmitter can be installed in the boundary wall between an area of EPL Ga and the less hazardous area EPL Gb. In this configuration, the process connection is installed in EPL Ga, while the transmitter housing is installed in EPL Gb.

15.3.4 The separation element is the diaphragm of the Meterbody. This is defined by the Model selection as shown is section 1.3 of this manual by the first digit of the “TABLE 1” field. Selection of the diaphragm shall be suitable for the environment and application of the equipment is to be used.

15.3.5 When used, threaded Adaptor Models 50000682-001 and Stopping Plug Model 50021832-002 shall be subjected to a 90.4 Nm torque down to achieve the correct level of ingress protection.

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.

Certificate Annexe



Certificate Number: Sira 12ATEX2233X
 Equipment: Model ST700 and ST800 Pressure Transmitters
 Applicant: Honeywell Inc.

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	21 st Aug 12	Nameplate, Top

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Certificate Annexe



Certificate Number: Sira 12ATEX2233X
 Equipment: Model ST700 and ST800 Pressure Transmitters
 Applicant: Honeywell Inc.

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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Certificate Annexe



Certificate Number: Sira 12ATEX2233X
 Equipment: Model ST700 and ST800 Pressure Transmitters
 Applicant: Honeywell Inc.

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

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CSA Group Netherlands B.V.
 Utrechtseweg 310,
 6812 AR, Arnhem,
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Certificate Annexe



Certificate Number: Sira 12ATEX2233X
 Equipment: Model ST700 and ST800 Pressure Transmitters
 Applicant: Honeywell Inc.

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
50049831	1 of 1	A	29 Nov 16	Retainer, Glass
50049832	1 to 2	E	29 Nov 16	End Cap with Window assembly
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

Issue 9

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
50135307	1 of 1	A	01 Sep 17	Agency nameplate

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Certificate Annexe



Certificate Number: Sira 12ATEX2233X

Equipment: Model ST700 and ST800 Pressure Transmitters

Applicant: Honeywell Inc.

Issue 10

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
30353122	1 of 1	27	09 Mar 18	Plastic Caplug
30756916	1 of 1	3	09 Mar 18	Cup Terminal wire keeper
34-ST-25-35	1 to 112	11	09 Mar 18	Instruction Manual for ST800
34-ST-25-44	1 to 166	9.0	09 Mar 18	Instruction Manual for ST700
50021832	1 of 1	K	09 Mar 18	Plug, Pipe Headless Socket
50049712	1 to 11	F	09 Mar 18	MOA, Meter Body AP, DP, GP, MUX & SMV
50049713	1 to 2	N	09 Mar 18	Meter Body Assembly AP, DP, GP, & SMV CFF
50049713-BOMS	1 to 12	N	09 Mar 18	Meter Body Assembly AP, DP, GP, & SMV
50049716	1 to 4	E	09 Mar 18	Meter Body Assembly, LGP/LAP
50049835	1 to 3	C	09 Mar 18	Adapter Machining
50049889	1 of 1	G	09 Mar 18	Agency Nameplate ATEX
50049890	1 of 1	H	09 Mar 18	Agency Nameplate IECEx
50049902	1 to 6	E	09 Mar 18	Transmitter Housing Aluminum Die Casting
50049916	1 of 1	D	09 Mar 18	Top Nameplate Blank
50059984	1 to 4	A	09 Mar 18	Cement, DOW Corning RTV-734
50064345	1 to 37	C	09 Mar 18	ST800 Series Pressure Transmitter for Explosion-proof/Flameproof Certification for ATEX and IECEx
50135807	1 of 1	B	09 Mar 18	Agency Nameplate IECEx and ATEX
50130431	1 to 2	A	09 Mar 18	Connector 6 Pin Shrouded
51196688	1 of 1	F	09 Mar 18	Pan Head Phillips/Slotted
51309673	1 of 1	E	09 Mar 18	Sensor Head Assembly
51404837	1 of 1	F	09 Mar 18	Restrictor, S100, S900

Issue 11

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
50049890	1 of 1	J	17 July 18	ATEX Markings Nameplate
50126911	1 of 1	B	16 July 18	Co-Planar Meter Body (DP), Sensor Header machining
50126912	1 to 2	B	16 July 18	Co-Planar Meter Body (GP), Sensor Header machining
50126913	1 of 1	C	16 July 18	Co-Planar Meter Body (DP), Sensor Header assembly
50126914	1 to 2	C	16 July 18	Co-Planar Meter Body (GP), Sensor Header assembly
50126915	1 to 2	B	16 July 18	Co-Planar Meter Body, Sensor Header assemblies
50127682	1 of 1	12	16 July 18	Co-Planar Meter Body (DP), Expansion Compensation Insert (Low Side)
50127932	1 to 3	04	16 July 18	Co-Planar Meter Body, Final Assembly
50127940	1 to 2	A	16 July 18	Co-Planar Meter Body, Adapter casting
50127941	1 to 3	B	16 July 18	Co-Planar Meter Body, Adapter machining
50127965	1 to 4	08	16 July 18	Co-Planar Meter Body (GP), Body machining
50127988	1 to 4	07	16 July 18	Co-Planar Meter Body (DP), Body machining
50133356	1 to 3	A	16 July 18	Sensor Board, Co-Planar, Assembly Drawing
50133356-001	1 to 2	C	16 July 18	Sensor Board, Co-Planar, BOM
50133357	1 to 2	A	16 July 18	Sensor Board, Co-Planar, Schematic
50135807	1 of 1	C	17 July 18	IECEx and ATEX Markings Nameplate
50141415	1 of 1	02	16 July 18	Co-Planar Meter Body, Subassembly
50143925	1 of 1	01	16 July 18	Co-Planar Meter Body (GP), Insert (High Side)

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Certificate Annexe



Certificate Number: Sira 12ATEX2233X
 Equipment: Model ST700 and ST800 Pressure Transmitters
 Applicant: Honeywell Inc.

Issue 12 – No new drawings were introduced

Issue 13

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
30752785	1 to 2	26	30 Jun 20	"O" Ring (TAB 146 and TAB 130)
50049903	1 to 4	J	30 Jun 20	Housing, aluminium
50049918	1 to 7	D	30 Jun 20	Transmitter Housing Casting, Stn Stl, Pressure
50049919	1 to 4	E	30 Jun 20	Housing, stainless steel
50130431	1 to 2	B	30 Jun 20	Connector 6 Pin Shrouded
50049713	1 to 2	P	30 Jun 20	Meter Body Assembly AP, DP, GP, & SMV CFF
50049713-BOMS	1 to 12	V	30 Jun 20	Meter Body Assembly AP, DP, GP, & SMV
50049717	1 to 2	C	30 Jun 20	Remote Seal In-Line AP/GP Transmitter Assy
50049719	1 to 8	B	30 Jun 20	Method of Assembly Remote Seals
50077521	1 to 3	A	30 Jun 20	MOA, Meter Body Flange Mount
50077544	1 to 3	A	30 Jun 20	Method of Assembly, 2" & 3" PSEUDO Flange Mounted
50126914	1 to 2	E	30 Jun 20	Co-Planar Meter Body (GP), Sensor Header assembly
50127682	1 of 1	15	30 Jun 20	Co-Planar Meter Body (DP), Expansion Compensation Insert (Low Side)
50127932	1 to 3	B	30 Jun 20	Co-Planar Meter Body, Final Assembly
50127941	1 to 3	C	30 Jun 20	Co-Planar Meter Body, Adapter machining
50127965	1 to 4	E	30 Jun 20	Co-Planar Meter Body (GP), Body machining
50127988	1 to 4	15	30 Jun 20	Co-Planar Meter Body (DP), Body machining
50141415	1 to 2	B	30 Jun 20	Co-Planar Meter Body, Subassembly
50143925	1 to 2	B	30 Jun 20	Co-Planar Meter Body (GP), Insert (High Side)
50049840	1 to 2	B	30 Jun 20	Terminal Block Molding, ST700LE
50055715	1 of 1	F	30 Jun 20	Terminal Block, PWB
50055716	1 to 3	F	30 Jun 20	Terminal Block, Assy
50055716-001	1 to 2	M	30 Jun 20	Terminal Block, BOM (Pressure/HART/DE)
50055716-002	1 to 2	N	30 Jun 20	Terminal Block, BOM (Pressure/HART/DE LP)
50055717	1 to 2	G	30 Jun 20	Terminal Block Board, Schematic
50055718	1 of 1	C	30 Jun 20	Printed Wiring Board Terminal Block FF
50055719	1 to 3	B	30 Jun 20	Printed Wiring Board Assy Terminal Block FF
50055719-001	1 to 2	H	30 Jun 20	Parts List TB Pressure/FF ST800
50055719-002	1 to 2	H	30 Jun 20	Parts List TB Pressure/FF LP ST800
50055720	1 to 2	C	30 Jun 20	Schematic ST800 Terminal Block BD Fieldbus
50054838	1 of 1	C	30 Jun 20	Printed Wiring Board Auxiliary FF BD
50054839	1 to 3	C	30 Jun 20	Printed Wiring Assembly Auxiliary FF
50054839-001	1 to 2	C	30 Jun 20	Parts List ST800 Auxiliary BD Fieldbus
50129829	1 of 1	B	30 Jun 20	Terminal Block Board, ST700LE, Fabrication Drawing
50129830-001	1 to 2	C	30 Jun 20	Terminal Block, ST700LE, BOM -001
50129830-002	1 to 2	C	30 Jun 20	Terminal Block, ST700LE, BOM -002
50129830	1 to 3	B	30 Jun 20	Terminal Block Board, ST700LE, Assembly Drawing
50129831	1 of 1	B	30 Jun 20	Terminal Block, ST700LE, Schematic
50049842	1 of 1	F	30 Jun 20	Terminal Block Screw Terminal, ST700LE
50049874	1 of 1	D	30 Jun 20	Terminal Block Terminal Lug, ST700LE
50057413	1 to 2	C	30 Jun 20	Potting Material, Polyurethane Resin, two part
50050918	1 of 1	C	30 Jun 20	Hart DE, PWB

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Certificate Annexe



Certificate Number: Sira 12ATEX2233X
 Equipment: Model ST700 and ST800 Pressure Transmitters
 Applicant: Honeywell Inc.

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
50050919	1 to 3	D	30 Jun 20	Hart DE, Assy
50050919-001	1 to 3	R	30 Jun 20	Hart, BOM, without Reed Switch Bd
50050919-002	1 to 3	R	30 Jun 20	Hart, BOM, with Reed Switch Bd
50050919-003	1 to 3	U	30 Jun 20	DE, BOM, without Reed Switch Bd
50050919-004	1 to 3	U	30 Jun 20	DE, BOM, with Reed Switch Bd
50054688	1 of 1	B	30 Jun 20	Printed Wiring Board FF/PA Communications Board
50054689	1 to 3	C	30 Jun 20	Printed Wiring Board Assy FF/PA Communications Bd
50054689-001	1 to 3	H	30 Jun 20	Parts List FF/PA W/O Reed SW ST800
50054689-002	1 to 3	H	30 Jun 20	Parts List FF/PA With Reed SW ST800
50054689-003	1 to 3	E	30 Jun 20	Parts List FF/PP W/O Reed Switch ST 700
50054689-004	1 to 3	E	30 Jun 20	Parts List FF/PP With Reed Switch ST 700
50066127	1 of 1	B	30 Jun 20	Reed Switch, PWB
50066128	1 to 2	B	30 Jun 20	Reed Switch, Assembly
50066128-001	1 to 2	C	30 Jun 20	Reed Switch, BOM
50049850	1 to 2	B	30 Jun 20	Communication Module Molding, ST700LE
50052624	1 of 1	G	30 Jun 20	Ribbon Cable Assembly, Sensor Board to Communications Board
50129822	1 of 1	C	30 Jun 20	Sensor Board, ST700LE, Fabrication Drawing
50129823	1 to 3	D	30 Jun 20	Sensor Board, ST700LE, Assembly Drawing
50129823-001	1 to 2	E	30 Jun 20	Sensor Board, ST700LE, BOM
50129824	1 to 2	C	30 Jun 20	Sensor Board, ST700LE, Schematic
50133356-001	1 to 2	D	30 Jun 20	Sensor Board, Co-Planar, BOM
50049865	1 to 2	D	30 Jun 20	Nameplate Agency Blank
50071726	1 to 5	H	22 Jul 20	Product I.D. Nameplate
50091228	1 to 2	E	30 Jun 20	ST700/ST800 FISCO Label
S-12927-C	1 to 9	44	30 Jun 20	Date Coding & Serialization

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