



1 **TYPE EXAMINATION CERTIFICATE**

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

3 Certificate Number: **Sira 15ATEX4040X** Issue: **4**

4 Equipment: **Model SMV 800 Series Transmitters**

5 Applicant: **Honeywell, Inc.**

6 Address: **512 Virginia Drive  
Fort Washington  
Pennsylvania 19034  
USA**

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. certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design of Category 3 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 60079-11:2012 EN 60079-7: 2015/A1:2018

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 Type Examination Certificate relates only to the design of the specified equipment, and not to specific items of equipment subsequently manufactured. 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:

HART/DE/ FF/Profibus



II 3G  
Ex ic IIC T4 Gc  
Ta = -50°C to 85°C (non FISCO)  
Ta = -50°C to 45°C (FISCO)  
IP66/IP67  
Ex ec IIC T4 Gc  
Ta = -50°C to 85°C  
IP66/IP67

MOBUS



II 3G  
Ex ec IIC T4 Gc  
Ta = -50°C to 85°C  
IP66/IP67

Project Number 80051708

Signed: J A May

Title: Director of Operations

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13 DESCRIPTION OF EQUIPMENT

The Model SMV 800 Series transmitters are permanently connected devices intended to measure temperature and pressure of an industrial process and provide a digital output signal to communicate the measured value. The digital output signal uses HART, DE, Foundation Fieldbus, Profibus or MODBUS Protocols. Optionally, the Model SMV 800 Series transmitters are available with no display or an Advanced Display which includes an LCD display visible through a window cover. The Top Nameplate conceals three magnetic push buttons for configuration purposes. The Model SMV 800 Series transmitters have been evaluated for the following process connections.

1. A810 process ambient span: -25 to +25 in H2O / -62.5 to 62.5 mbar, maximum working pressure: 100psi; -50°C to +125°C
2. A845 process ambient span: -400 to +400 in H2O / -1000 to 1000 mbar, maximum working pressure: 1500psi; -50°C to +125°C
3. G870 process ambient span: -400 to +400 in H2O / -1000 to 1000 mbar, maximum working pressure: 3000psi; -50°C to +125°C.
4. G880 process ambient span: -800 to +800 in H2O / -2000 to 2000 mbar, maximum working pressure: 3000psi; -50°C to +115°C (+125°C for type of protection "ic" only).
5. G890 process ambient span: -2000 to +2000 in H2O / -5000 to 5000 mbar, maximum working pressure: 3000psi; -50°C to +115°C (+125°C for type of protection "ic" only)

The Model SMV 800 Series transmitters are assessed for (a) Intrinsic Safety "i" and (c) Non- endive type "ec" protection methods.

| Communication Protocol  | Intrinsic Safety<br>(Ex ic IIC)  | Non- endive<br>(Ex ec IIC) |
|---|--|----------------------------|
| HART/DE   | Ui = 30 Vdc, li = 225 mA, Pi = 900mW, Ci = 4 nF, Li = 9 μH, Co = 39 μF, Lo = 4.99 μH | 11 to 42 Vdc, 4 to 20mA    |
| Foundation Fieldbus/Profibus  | Ui = 30 Vdc, li = 225 mA, Pi = 1W, Ci = 0 nF, Li = 0 μH, Co = 39 μF, Lo = 4.99 μH    | 9 to 32 Vdc, 25 mA max     |
| Foundation Fieldbus/Profibus (FISCO)  | Ui = 17.5 Vdc, li = 570 mA; Ci = 0 nF, Li = 0 μH, Co = 39 μF, Lo = 4.99 μH           | N/A                        |
| MODBUS  | N/A  | 9.5 to 30Vdc<br>30mA max   |
| Note: The supplies to the Model SMV 800 Series transmitters are intended to be fully floating, and are not expected to be connected to an earth return. |  |                            |

Model SMV 800 Series transmitters are permanently connected device intended for process pressure measurements and remote temperature measurements.

The enclosure consists of epoxy-polyester powder coated painted cast aluminum, stainless steel and glass. The glass lens of the window cover is cemented in place by means of Dow Corning RTV-734 silicone elastomer cement. A total of three Parker Hannifin 2-142 S0604-70 and 2-130 S0604-70 elastomeric red silicone o-rings are provided on the two threaded covers and the threaded sensor adapter. No plastic materials are used for the external enclosure.

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The overall physical dimensions of the Model SMV 800 Series transmitters are 110 mm x 125.9 mm x 198.8 mm (L x W x H). The mass is approximately 3.8 kg. The free internal volume of the equipment is 280 cm<sup>3</sup> with two solid covers installed. The free internal volume of the equipment is 288 cm<sup>3</sup> with one solid cover and one window cover installed.

The model designation is as follows:

- SMA-b-c-defghi-j-k-lmn-opq-r-stv-w-x

Where:

- a = A810, A845, G870, G880, or G890 (Process Ambient Span)
- b= S1, S2 (Temperature Sensor input)
- c= 0, (Digital Output)
- d = 1, 2, 3, 4, 5, 6, 7, 8, A, B, C, D, E, F, G, H, J, or K (Materials of Construction)
- e = 1, 2, 3, or 4 (Fill Fluid)
- f = A or H (Process Connections)
- g = C, S, N, K, M, D, or B (Bolt Materials)
- h = 1, 2, 3, 4, 5, or 6 (Vent/Drain Type/Location)
- i = A, B, or C (Gasket Material)
- j = 1, 2, or 3(Head/Connect Orientation)
- k = = C, D, W, 1, 8 or 9 (Agency Approval, C=ATEX, D=IECEX, W= ATEX/IECEX MODBUS, 1=ATEX/IECEX, 8=ATEX-MODBUS, 9=IECEX-MODBUS)
- l = A, B, C, D, E, F, G, or H (Electronic housing material and entry type)
- m = H, D, F, P or M (Output/Protocol)
- n = 0, A, D, E, H, or J (Customer Interface Selections)
- o = 1, 2, 3, or 4 (Application Software)
- p = 1, 2, 3, 4, 5, 6, 7 or 8 (Output Limit, Failsafe & Write Protect Settings)
- q = S or C (General Configuration)
- r = A, B, C, D, E, F, G, or H (Accuracy and Calibration Settings)
- s = 0, 1, 2, 3, 4, 5, 6, or 7 (Mounting Bracket)
- t = 0, 1, or 2 (Customer Tag)
- v = A0, A2, A6, A7, A8, or A9 (Conduit Plugs & Adapters)
- w = Two digit alphanumeric code (General options that do not impact certification)
- x = Four digit alphanumeric code (Factory identification)

Note that the model designation may begin with a capital letter 'Y', followed by 'SMG870...'. The 'Y' indicates special models (not affecting certification), pointing to equivalent SMG890 models. See Honeywell document 34-SM-00-11\_SMG890\_Addendum.pdf in the Miscellaneous Documents folder for this project.

**Variation 1** - This variation introduced the following changes:

- Addition of ferrite beads for EMC protection.
- Update Entity Parameters, the description was amended accordingly.
- Updated drawings.
- Updated model designation, the description was amended accordingly.



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**Variation 2** - This variation introduced the following changes:

- i. Addition of the MODBUS communication protocol with new terminal module and communication.
- ii. Modification to the product model designation.
- iii. Updated the FISCO (FF) label 50091228.
- iv. The introduction of standard EN 60079-7:2015 was recognized, the marking being updated accordingly. (Standard EN 60079-15 and marking Ex nA were removed).
- v. Addition of "ic" protection concept for Hart/DE and FF/Profibus models.
- vi. The description was amended to recognise all the above changes.
- vii. Addition of the process temperature in the Specific Conditions of Use.
- viii. Updated Non-sparking "ec" in the Conditions of Manufacture.

**Variation 3** - This variation introduced the following changes:

- i. The maximum process temperature has been reduced by 10°C, from 125°C to 115°C, for types of protection "ec" and "tb"; the product description was amended accordingly.
- ii. Addition of two new models, the SMG880 and SMG890; the description was amended accordingly.
- iii. Recognise changes to the product series' model designation.
- iv. Addition of one new manufacturer's drawing.
- v. Recognise updates to nine manufacturer's drawings.
- vi. Following appropriate assessment, standard EN 60079-0:2012/A11:2013 was replaced with IEC EN 60079-0:2018.
- vii. Recognise corrections / additions to the manufacturer's manual / instructions document.
- viii. Addition of a new Condition of Manufacture.
- ix. Addition of gap assessment on Ex Components that are not certified to the latest standards.
- x. Recognise corrections / additions to the manufacturer's control drawing.
- xi. Correction of IS parameters for "ic" in the product description.

## 14 DESCRIPTIVE DOCUMENTS

### 14.1 Drawings

Refer to Certificate Annexe.

### 14.2 Associated Sira Reports and Certificate History

| Issue | Date             | Report number | Comment  |
|-------|------------------|---------------|--|
| 0     | 22 May 2015      | R70012030A    | The release of the prime certificate.  |
| 1     | 25 May 2016      | R70057500A    | This Issue covers the following changes: <ul style="list-style-type: none"><li>• 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, 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 Type Examination Certificates may continue to bear the original certificate number issued prior to 20 April 2016.)</li><li>• The introduction of Variation 1.</li></ul> |
| 2     | 20 December 2018 | R70192235A    | The introduction of Variation 2.   |

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| Issue | Date             | Report number | Comment  |
|-------|------------------|---------------|--|
| 3     | 15 October 2019  | 1313          | Transfer of certificate Sira 15ATEX4040X from Sira Certification Service to CSA Group Netherlands B.V. |
| 4     | 04 November 2020 | R80051708A    | The introduction of Variation 3  |

**15 SPECIFIC CONDITIONS OF USE**

15.1 **Non-sparking “ec” items only** - If a charge-generating mechanism is present, the exposed painted 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. Cleaning of the painted surface shall only be done with a damp cloth.

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

| Protection type | Temperature Class  |
|-----------------|--|
|                 | T4   |
| Ex ic           | Ta = -50°C to 85°C or -50°C to 45°C<br>Tp = -40 to 125°C |

15.3 **Non-sparking “ec” items only** - If a charge-generating mechanism is present, the exposed painted 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. Cleaning of the painted surface shall only be done with a damp cloth.

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

| Protection type | Temperature Class                     |
|-----------------|---------------------------------------|
|                 | T4                                    |
| Ex ec           | Ta = -50 to 85°C<br>Tp = -40 to 115°C |

**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 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 CSA 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.

17.3 Intrinsic safety “ic” items only - 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 all input terminals and the enclosure for 60 seconds. Alternatively, a voltage of 20% higher may be applied for 0.1 s. There shall be no evidence of flashover or breakdown and the maximum

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current flowing shall not exceed 5 mA. Each manufactured sample shall withstand a pressure test of 1.5 times the maximum working pressure on meterbody.

- 17.4 Non-sparking "ec" items only - In accordance with IEC 60079-7:2017 clause 7.1, each manufactured sample of the equipment shall be subjected to an electric strength test using a test voltage of 500 Vac applied between all input terminals and the enclosure for 60 seconds. Alternatively, a voltage of 20% higher may be applied for 0.1 s. There shall be no evidence of flashover or breakdown and the maximum current flowing shall not exceed 5 mA. Each manufactured sample shall withstand a pressure test of 1.5 times the maximum working pressure on meterbody.
- 17.5 The products covered in this report incorporate previously certified components. It is therefore the responsibility of the manufacturer to continually monitor the status of the certification associated with these components, and the manufacturer shall inform CSA/Sira of any modifications of the components that may impinge upon the explosion safety design of their products.

# Certificate Annexe



Certificate Number: Sira 15ATEX4040X

Equipment: Model SMV 800 Series Transmitters

Applicant: Honeywell, Inc.

## Issue 0

| Drawing no.  | Sheets  | Rev. | Date (Sira stamp) | Title   |
|--------------|---------|------|-------------------|---|
| 30752785     | 1 of 1  | 22   | 26 Feb 15         | O-Ring End Cap (TAB-019) and Meter Body (TAB-018)                       |
| 30754791     | 1 of 1  | 12   | 26 Feb 15         | Sensor/Header Assembly  |
| 30756659     | 1 to 2  | 3    | 26 Feb 15         | Datasheet 3 W Zener Diode SMD VR2, VR3, VR5, VR6                        |
| 50000536     | 1 of 1  | B    | 26 Feb 15         | Screw, SEMS M 3.5   |
| 50000547     | 1 of 1  | F    | 26 Feb 15         | Plug, M20 Dome Head (TAB-001)   |
| 50000682     | 1 of 1  | D    | 26 Feb 15         | ½ NPT Male to ¾ NPT Female  |
| 50001644     | 1 to 4  | A    | 26 Feb 15         | Datasheet 60 V, 3 A, 2.25 W Schottky Diode CR1, CR2, CR5 (TAB-001)      |
| 50006328     | 1 to 3  | B    | 26 Feb 15         | Datasheet 1.5 µF ± 20%, 50 V Blocking Capacitor C75, C76, C77 (TAB-150) |
| 50021832     | 1 of 1  | F    | 26 Feb 15         | Plug, Pipe Headless Socket (TAB-001)                                    |
| 50023593     | 1 to 4  | B    | 26 Feb 15         | Datasheet 0.05 A Fuse, F1, F2 (TAB-001)                                 |
| 50028178     | 1 of 1  | B    | 26 Feb 15         | Ground Clamp Transmitter  |
| 50028180     | 1 of 1  | B    | 26 Feb 15         | M4 x 12 Terminal SEMS with Square Washer                                |
| 50049712     | 1 to 11 | C    | 26 Feb 15         | Meter Body Assy, DP and GP  |
| 50049713     | 1 to 2  | G    | 26 Feb 15         | Digital Meter Body Assembly   |
| 50049713-BOM | 1 to 10 | F    | 26 Feb 15         | Digital Meter Body Assembly-BOM   |
| 50049827     | 1 of 1  | C    | 26 Feb 15         | Solid End Cap (AL)  |
| 50049829     | 1 of 1  | C    | 26 Feb 15         | Meter End Cap (AL)  |
| 50049830     | 1 of 1  | A    | 26 Feb 15         | Glass   |
| 50049832     | 1 to 2  | B    | 26 Feb 15         | End Cap with Window assembly  |
| 50049842     | 1 of 1  | A    | 26 Feb 15         | Screw Terminal  |
| 50049847     | 1 to 2  | A    | 26 Feb 15         | Advanced Display Molding  |
| 50049861     | 1 to 2  | A    | 26 Feb 15         | Connector 14 Pin Shrouded   |
| 50049874     | 1 of 1  | C    | 26 Feb 15         | Terminal Lug  |
| 50049882     | 1 of 1  | A    | 26 Feb 15         | Solid End Cap (SS)  |
| 50049884     | 1 of 1  | A    | 26 Feb 15         | Meter End Cap (SS)  |
| 32307374     | 1 of 1  | A    | 14 May 15         | Agency Nameplate ATEX   |
| 50049892     | 1 to 5  | E1   | 26 Feb 15         | SMV800 Control Drawing  |
| 50049903     | 1 to 4  | C    | 26 Feb 15         | Transmitter Housing (AL) ½ NPT (TAB-001) and M20 (TAB-002)              |
| 50049912     | 1 to 2  | A    | 26 Feb 15         | Basic Display Molding   |
| 50052624     | 1 of 1  | C    | 26 Feb 15         | Ribbon Cable Assembly   |
| 50052625     | 1 of 1  | C    | 26 Feb 15         | PWB Advanced Display  |
| 50052626     | 1 to 4  | C    | 26 Feb 15         | PWA Advanced Display  |
| 50052626-001 | 1 to 3  | G    | 26 Feb 15         | BOM Advanced Display  |
| 50052627     | 1 to 2  | C    | 26 Feb 15         | Schematic Advanced Display  |
| 50053143     | 1 to 3  | D    | 26 Feb 15         | Sensor PWA Drawing  |
| 50053143-001 | 1 to 2  | E    | 26 Feb 15         | BOM, PWA Sensor – Long Cable  |
| 50053144     | 1 to 2  | C    | 26 Feb 15         | Schematic, Sensor   |
| 50053313     | 1 to 4  | A    | 26 Feb 15         | Datasheet Gas Discharge Tube GT1  |
| 50055607     | 1 to 7  | A    | 26 Feb 15         | Datasheet 5.6 V ± 5%, 3 W Zener Diode D1, D2, D3, D4, D5, D6 (TAB-007)  |

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# Certificate Annexe



Certificate Number: Sira 15ATEX4040X

Equipment: Model SMV 800 Series Transmitters

Applicant: Honeywell, Inc.

| Drawing no.  | Sheets | Rev. | Date (Sira stamp) | Title   |
|--------------|--------|------|-------------------|---|
| 50057413     | 1 to 2 | B    | 26 Feb 15         | Datasheet Encapsulation Material Polyurethane resin (TAB-001, and -002)   |
| 50057516     | 1 to 2 | A    | 26 Feb 15         | Shunt Black   |
| 50058539     | 1 to 2 | A    | 26 Feb 15         | Datasheet Spot Encapsulation Material, 60-7170 One Part Epoxy   |
| 50059984     | 1 to 4 | A    | 26 Feb 15         | RTV 734 Silicone Adhesive   |
| 50065673     | 1 of 1 | B    | 26 Feb 15         | PWB Basic Display   |
| 50065674     | 1 to 4 | B    | 26 Feb 15         | PWA Basic Display   |
| 50065674-001 | 1 to 2 | D    | 26 Feb 15         | BOM Basic Display   |
| 50065675     | 1 of 1 | B    | 26 Feb 15         | Schematic Basic Display   |
| 50067848     | 1 to 4 | A    | 26 Feb 15         | Datasheet Double Diode CR2 (TAB-001)  |
| 50067849     | 1 to 4 | A    | 26 Feb 15         | Datasheet Double Diode CR3 (TAB-001)  |
| 50075243     | 1 to 3 | A    | 26 Feb 15         | Datasheet 8.2 nF ± 5%, 50 V Blocking Capacitor C15, C21 (TAB-822) and 10 nF ± 5%, 50 V Blocking Capacitor C28 (TAB-103) |
| 50076212     | 1 to 4 | A    | 26 Feb 15         | Datasheet 1 A, 100 V Schottky Diode CR1 (TAB-001)   |
| 50084781     | 1 to 4 | A    | 26 Feb 15         | Datasheet Transformer T1  |
| 50085082     | 1 to 3 | B    | 26 Feb 15         | Printed Wiring Board – Terminal block HART/DE   |
| 50085083     | 1 to 3 | B    | 26 Feb 15         | Printed Wiring Board ASSY SMV800 Temperature DE/HART  |
| 50085083-001 | 1 to 5 | C    | 26 Feb 15         | Parts List Temperature/Terminal DE/HART – Single Input w/o LP SMV800  |
| 50085083-003 | 1 to 5 | B    | 26 Feb 15         | Parts List Temperature/Terminal DE/HART – Single Input w/ LP SMV800   |
| 50085084     | 1 to 6 | B    | 26 Feb 15         | Schematic, SMV800 Terminal Block Board HART/DE  |
| 50085883     | 1 to 3 | A4   | 26 Feb 15         | PWA FF Terminal Boards  |
| 50085884     | 1 to 3 | A5   | 26 Feb 15         | PWB FF Terminal Boards  |
| 50085884-001 | 1 to 4 | A5   | 26 Feb 15         | BOM FF Terminal Boards Single Input without Lightning protection  |
| 50085884-003 | 1 to 4 | A5   | 26 Feb 15         | BOM FF Terminal Boards Single Input with Lightning Protection   |
| 50085885     | 1 to 6 | A7   | 26 Feb 15         | Schematic FF Terminal Boards  |
| 50086420     | 1 to 3 | A4   | 26 Feb 15         | Terminal Block Molding  |
| 50086422     | 1 to 2 | A    | 26 Feb 15         | Communication Molding   |
| 50087657     | 1 of 1 | A    | 26 Feb 15         | PWB HART/DE Comm Board  |
| 50087658     | 1 to 3 | A    | 26 Feb 15         | PWA HART/DE Comm Board  |
| 50087658-001 | 1 to 3 | A    | 26 Feb 15         | BOM HART Comm Board   |
| 50087658-002 | 1 to 3 | D    | 26 Feb 15         | BOM DE Comm Board   |
| 50087659     | 1 to 3 | A    | 26 Feb 15         | Schematic HART/DE Comm Board  |
| 50087660     | 1 of 1 | A    | 26 Feb 15         | PWB HART Reed Switch  |
| 50087661     | 1 to 2 | A    | 26 Feb 15         | PWB Assembly HART Reed Switch   |
| 50087661-001 | 1 to 2 | A    | 26 Feb 15         | BOM SL Series HART Reed Switch  |
| 50087662     | 1 of 1 | A    | 26 Feb 15         | Schematic HART Reed Switch  |
| 50087795     | 1 of 1 | A1   | 26 Feb 15         | PWB FF Comm Board   |

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Equipment: Model SMV 800 Series Transmitters

Applicant: Honeywell, Inc.

| Drawing no.  | Sheets  | Rev. | Date (Sira stamp) | Title  |
|--------------|---------|------|-------------------|--|
| 50087796     | 1 to 3  | A1   | 26 Feb 15         | PWB Assembly FF Comm Board                               |
| 50087796-001 | 1 to 3  | A    | 26 Feb 15         | BOM FF Comm Board  |
| 50087797     | 1 to 2  | A1   | 26 Feb 15         | Schematic FF Comm Board                                  |
| 50087798     | 1 of 1  | A1   | 26 Feb 15         | PWB FF Reed Switch                                       |
| 50087799     | 1 to 3  | A1   | 26 Feb 15         | PWA FF Reed Switch                                       |
| 50087799-001 | 1 to 3  | A    | 26 Feb 15         | BOM FF Reed Switch with Reed Switches                    |
| 50087799-002 | 1 to 4  | A    | 26 Feb 15         | BOM SL Series FF Reed Switch without Reed Switches       |
| 50087800     | 1 to 2  | A1   | 26 Feb 15         | Schematic SL Series FF Reed Switch                       |
| 50091228     | 1 to 2  | D    | 14 May 15         | Label, FISCO (FF)  |
| 500959824    | 1 to 7  | A1   | 26 Feb 15         | SMV 800 Agency Drawing                                   |
| 51190131     | 1 to t  | C    | 26 Feb 15         | Datasheet Resistor, Surface Mount, 1/10W, Film, 0805, 1% |
| 51192117     | 1 to 21 | C    | 26 Feb 15         | Datasheet Optocoupler U5 (TAB-156)                       |
| 51309673     | 1 of 1  | D    | 26 Feb 15         | Sensor/Header Assembly, SMV                              |
| 51451813     | 1 to 2  | K    | 26 Feb 15         | DP Barrier Diaphragm, CFF                                |
| 51451815     | 1 of 1  | B    | 26 Feb 15         | Weld Ring, CFF   |
| 51451816     | 1 to 3  | K    | 26 Feb 15         | Dual Head Gauge Pressure Meterbody                       |
| 51451863     | 1 to 2  | F    | 26 Feb 15         | Barrier Diaphragm Assy CFF                               |
| 51451864     | 1 to 4  | K    | 26 Feb 15         | Digital Meter Body Assembly DPI and GPI                  |
| 51453103     | 1 to 5  | C    | 26 Feb 15         | Meter Body Assembly. DP/I & GP/I CFF                     |
| S-12927-C    | 1 to 8  | 33   | 26 Feb 15         | Date Coding and Serialization                            |

## Issue 1

| Drawing      | Sheets | Rev.      | Date (Sira stamp) | Description  |
|--------------|--------|-----------|-------------------|--|
| S-12927-C    | 1 to 8 | 36        | 20 Apr. 16        | Date Coding and Serialization                              |
| 34-ST-33-75  | 1 to 3 | 30 Oct 15 | 20 Apr. 16        | Loop Ferrite Core Instruction Sheet                        |
| 32301350     | 1 to 4 | A         | 20 Apr. 16        | Ferrite Core   |
| 32307374     | 1 of 1 | B         | 20 Apr. 16        | Agency Nameplate ATEX                                      |
| 50000536     | 1 of 1 | E         | 20 Apr. 16        | Screw, SEMS M 3.5  |
| 50021832     | 1 of 1 | G         | 20 Apr. 16        | Plug, Pipe Headless Socket (TAB-001)                       |
| 50049827     | 1 of 1 | D         | 20 Apr. 16        | Solid End Cap (AL)   |
| 50049829     | 1 of 1 | D         | 20 Apr. 16        | Meter End Cap (AL)   |
| 50049832     | 1 to 2 | D         | 20 Apr. 16        | End Cap with Window assembly                               |
| 50049903     | 1 to 4 | G         | 20 Apr. 16        | Transmitter Housing (AL) ½ NPT (TAB-001) and M20 (TAB-002) |
| 50052626-006 | 1 to 3 | A         | 20 Apr. 16        | BOM Advanced Display                                       |
| 50052626     | 1 to 4 | E         | 20 Apr. 16        | PWA Advanced Display                                       |
| 50052627     | 1 to 2 | D         | 20 Apr. 16        | Schematic Advanced Display                                 |
| 50086420     | 1 to 4 | C         | 20 Apr. 16        | Terminal Block Molding                                     |
| 50097008     | 1 to 2 | A         | 20 Apr. 16        | Product ID Nameplate                                       |
| 5128060      | 1 to 3 | B         | 20 Apr. 16        | SMV800 Control Drawing                                     |

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 Netherlands

# Certificate Annexe



Certificate Number: Sira 15ATEX4040X  
 Equipment: Model SMV 800 Series Transmitters  
 Applicant: Honeywell, Inc.

## Issue 2

| Drawing      | Sheets | Rev. | Date (Sira stamp) | Title  |
|--------------|--------|------|-------------------|--|
| 50128060     | 1 to 4 | D    | 14 Nov. 18        | SMV800 Control Drawing                                   |
| 32307374     | 1 to 2 | C    | 14 Nov. 18        | Agency Nameplate ATEX                                    |
| 50097008     | 1 to 2 | C    | 14 Nov. 18        | Product ID Nameplate                                     |
| 50139322     | 1 to 5 | A    | 14 Nov. 18        | SMV MODBUS Terminal Board Fabrication Drawing            |
| 50139323     | 1 to 5 | A    | 14 Nov. 18        | SMV MODBUS Terminal Board Assembly Drawing               |
| 50139323-001 | 1 to 2 | A    | 14 Nov. 18        | SMV MODBUS Terminal W/O LP BOM                           |
| 50139323-002 | 1 to 2 | A    | 14 Nov. 18        | SMV MODBUS Terminal With LPBOM                           |
| 50139324     | 1 to 6 | A    | 14 Nov. 18        | SMV MODBUS Terminal Board                                |
| 50139325     | 1 to 3 | A    | 14 Nov. 18        | SMV MODBUS COMM Board Fabrication Drawing                |
| 50139326     | 1 to 3 | A    | 14 Nov. 18        | SMV MODBUS COMM Board Assembly Drawing                   |
| 50139326-001 | 1 to 2 | A    | 14 Nov. 18        | SMV MODBUS COMM BOM                                      |
| 50139327     | 1 to 5 | A    | 14 Nov. 18        | SMV MODBUS COMM Schematic                                |
| 50087660     | 1 of 1 | B    | 14 Nov. 18        | PWB REED Switch Board RoHS Compliant                     |
| 50087661     | 1 to 2 | B    | 14 Nov. 18        | Assembly Drawing REED Switch Board RoHS Compliant        |
| 50087661-001 | 1 to 2 | B    | 14 Nov. 18        | Part List REED Switch PWB                                |
| 50052624     | 1 to 1 | F    | 14 Nov. 18        | Ribbon Cable Assembly Sensor A2D To Processor PWA        |
| 50139823     | 1 to 3 | D    | 14 Nov. 18        | PWB Assy Pressure Sensor                                 |
| 50129823-001 | 1 to 2 | E    | 14 Nov. 18        | Parts List ST700 LE Sensor Board RoHS Compliant Assembly |
| 50129824     | 1 to 2 | C    | 14 Nov. 18        | ST700LE Pressure Sensor Board                            |
| 50091228     | 1 to 2 | E    | 05 Dev. 18        | Label FISCO (FF)   |

Issue 3. No new drawings were introduced.

## Issue 4.

| Drawing      | Sheets  | Rev | Date (stamp) | Title   |
|--------------|---------|-----|--------------|---|
| 30752785     | 1 to 2  | 26  | 13 Oct 20    | O-Ring End Cap (TAB-019) and Meter Body (TAB-018) |
| 50049712     | 1 to 11 | F   | 13 Oct 20    | MOA, Meter Body, AP, DP, GP, MVX & SMV            |
| 50049713     | 1 to 2  | R   | 13 Oct 20    | Meter Body Assembly, AP, DP, GP, MVX & SMV, CFF   |
| 50049713-BOM | 1 to 12 | W   | 13 Oct 20    | Meter Body Assembly, AP, DP, GP & SMV BOM         |
| 50087662     | 1 to 1  | A   | 13 Oct 20    | Reed Switch PWB                                   |
| 50086422     | 1 to 2  | B   | 13 Oct 20    | Communication Module Molding                      |
| 50052624     | 1 to 1  | G   | 13 Oct 20    | Ribbon Cable Assembly                             |
| 50129823 #   | 1 to 3  | E   | 13 Oct 20    | Pressure Sensor (PWB & Assembly)                  |
| 50165502 *   | 1 to 2  | B   | 13 Oct 20    | Nameplate, ATEX and IECEx                         |
| 50128060     | 1 to 5  | E   | 29 Oct 20    | Control Drawing SMV8000 Series                    |

# This drawing number was incorrectly shown in previous ATEX Report R70192235A as "50139823".

\* This drawing is new.

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