



1 **EU-TYPE EXAMINATION CERTIFICATE**

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

3 Certificate Number: **Sira 13ATEX1272X** Issue: **4**

4 Equipment: **Current to Pressure Transmitter IPX2***

5 Applicant: **Moore Industries International Inc.**

6 Address: **16650 Schoenborn Street
North Hills
California 91343-6196
U.S.A.**

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 60079-0:2012

EN 60079-1:2007

EN 60079-31:2009

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:



II 2 GD

Ex d IIC T4 Gb

Ex tb IIIC T127°C Db

Ta = -40°C to +85°C

Project Number 80042309

Signed: J A May

Title: Director of Operations

This certificate and its schedules may only be reproduced in its entirety and without change

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



SCHEDULE

EU-TYPE EXAMINATION CERTIFICATE

Sira 13ATEX1272X
Issue 4

13 DESCRIPTION OF EQUIPMENT

The IPX2* are "Current to Pressure Transmitters" (with a maximum supply pressure of 40 psig) which convert a signal current to a pneumatic signal so that an electronic based system such as a DCS, PLC or PC can control a pneumatic actuator, valve or damper.

The configuration for the IPX2* is contained in an flameproof aluminium cylindrical enclosure. The IPX2 enclosure is divided into two parts, upper flameproof compartment houses the electronics module with two (NPT or M20) entries and the lower compartment houses the Valve Booster Assembly (pneumatic parts). The enclosure is divided by a threaded Barrier Plate which both the electronics module and pneumatic modules are secured. The Barrier Plate also has three integral flame arresters.

Model Designations

Current to Pressure Transmitter,

Models: IPX2/a/b/c/d[e] with Instrument Air Input, IP56

a = Input: 4-20MA, 4-12MA, 12-20MA

b = Output: 3-15PSIG, 6-30PSIG, 3-27PSIG, 3-18PSIG, 0-20PSIG, .02-.10MPA, 20-100KPA, .2-1KCGM2, .2-1BAR, 15-3PSIG, 30-6PSIG, 27-3PSIG, 18-3PSIG, 20-0PSIG, .10-.02M, 100-20KPA, 1-.2KCGM2, 1-.2BAR.

c = Supply Pressure: 20PSI, 23PSI, 25PSI, 32PSI, 35PSI, .14MPA, 140KPA, 1.4KCGM2, 1.4BAR

d = Options: -VTD, GA1, FR1

e = Housing: EXI, EXIM, EXIP, EXIMP

Variation 1 - This variation introduced the following changes:

- i. A new, dual certified label was recognised.

Variation 2 - This variation introduced the following changes:

- i. The introduction of an alternative Gasket/O-ring material made from buna-N.
- ii. Drawings that are not required to prove compliance with the relevant protection concepts were removed.

Variation 3 - This variation introduced the following changes:

- i. Recognise drawing changes for the following drawings: 205-289-01, 802-237-24, 802-236-24, 209-204-01, 205-890-00, 170-775-00, 205-289-02, 802-158-24, 200-251-2447, 200-251-2450, and 208-298-02.
- ii. Update to Product Description to correct typographical error from DLS to DCS.

14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Sira Reports and Certificate History

Issue	Date	Report no.	Comment
0	09 August 2013	R31154A/00	The release of the prime certificate.
1	30 January 2014	R32277A/00	The introduction of Variation 1.
2	11 November 2015	R70027782A	The introduction of Variation 2.



SCHEDULE

EU-TYPE EXAMINATION CERTIFICATE

Sira 13ATEX1272X
Issue 4

Issue	Date	Report no.	Comment
3	15 October 2019	1495	This Issue covers the following changes: <ul style="list-style-type: none">• Transfer of certificate Sira 13ATEX1272X from Sira Certification Service to CSA Group Netherlands B.V..• 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>
4	14 September 2020	R80042309A	The introduction of Variation 3.

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

15.1 The stopping plugs must not be used with a thread adaptor/reducer.

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 13ATEX1272X

Equipment: Current to Pressure Transmitter IPX2*

Applicant: Moore Industries International Inc.

Issue 0

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
205-289-01	2	F1	09 Aug 13	IPX2 Housing – Machined, NPT
205-289-05	2	F1	09 Aug 13	IPX2 Housing – Machined Metric
802-237-24	1	A	09 Aug 13	0.500 Flame Arrester
802-236-24	1	A	09 Aug 13	0.250 Flame Arrester
205-247-12	1	B2	09 Aug 13	BH/DH/IPX2 Extruded/Machined Solid Cover
802-201-24	1	C	09 Aug 13	PAVE Technologies Wiring Harness
207-222-03	1	B2	09 Aug 13	Nipple, Explosionproof IPX2 -NG Option
207-222-00	1	D2	09 Aug 13	Seal Assembly, Pipe Nipple, Explosion Proof
209-204-01	2	A3	09 Aug 13	Case Assembly, Vent Connection, -NG option, IPX2
205-290-00	2	C	09 Aug 13	Booster Valve IPH2/IPX2
205-890-00	1	C	09 Aug 13	Booster Block List of Materials
170-475-00	1	A1	09 Aug 13	Schematic, IPX2
170-576-00	1	A	09 Aug 13	PC1 Assy, IPX2
170-876-00	2	A	09 Aug 13	PC1 BOM, IPX2
170-533-00	1	C	09 Aug 13	PC4 – PC Assembly
170-833-00	1	C	09 Aug 13	PC4 – BOM
810-818-35	1	A1	09 Aug 13	R.F. Filter Element
810-808-35	6	A1	09 Aug 13	Spec Sheet – EMI Suppression Beads
100-100-78	1	B	09 Aug 13	Field Installation Diagram: IPX2, Intrinsically Safe System for Hazardous 'Classified' Locations
200-251-2447	1	A	09 Aug 13	Nameplate – IPX2 (All Versions)
200-251-2041	1	D	09 Aug 13	Ring Tag, CAUTION, IPX2-NG option
170-775-00	21	B	09 Aug 13	Product Technical Description Notice (User's Manual)
208-276-00	3	B	09 Aug 13	Module Mechanical Assembly, IPX2
208-298-00	2	C	09 Aug 13	Valve Assembly, IPX2
208-298-02	1	B1	09 Aug 13	Barrier Plate, IPX2
170-579-00	1	A	09 Aug 13	PC2 Assy, IPX2
170-879-00	1	A	09 Aug 13	PC2 BOM, IPX2
510-521-01	2	A	09 Aug 13	PC1 PCB Fabrication
510-521-02	4	A	09 Aug 13	PC1 PCB Layout
510-523-01	2	A	09 Aug 13	PC2 PCB Fabrication
510-523-02	1	A	09 Aug 13	PC2 PCB Layout
804-017-26	1	A	09 Aug 13	Cable Assy, PC2 EPX2/IPX2
804-018-26	1	A	09 Aug 13	Cable Assy, Magnet EPX2/IPX2
209-203-00	3	C	09 Aug 13	Case Assy, IPX2 AIR
209-204-00	3	B4	09 Aug 13	Case Assy, IPX2 -NG
810-819-35	1	A	09 Aug 13	Common Mode Choke, DLW31S
803-973-24	1	A1	09 Aug 13	Gasket, IPX2

Issue 1

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
200-251-2447	1 of 1	B	24 Jan 14	Name Plate, IPX2, Air cCSAus/ATEX (SIRA) I.S.and EX-proof

This certificate and its schedules may only be reproduced in its entirety and without change

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

Certificate Annexe



Certificate Number: Sira 13ATEX1272X

Equipment: Current to Pressure Transmitter IPX2*

Applicant: Moore Industries International Inc.

Issue 2

Drawing	Sheets	Rev.	Date (Sira stamp)	Description
209-204-01	1 to 2	A4	10 Nov 15	Base, -NG option, IPX2
205-290-00	1 to 2	D	10 Nov 15	Booster Valve IPH2/IPX2
205-890-00	1 of 1	D	10 Nov 15	Booster Block List of Materials
170-775-00	1 to 22	D	10 Nov 15	Product Technical Description Notice (User's Manual)
205-289-02	1 of 1	D1	10 Nov 15	Base, IPX2 Air
802-158-24	1 of 1	B	10 Nov 15	Gasket, IPX2
200-251-2447	1 of 1	C	10 Nov 15	Name Plate, IPX2 Air cCSAus/ATEX (Sira) /I.S. and Ex-Proof
200-251-2450	1 of 1	A	10 Nov 15	Name Plate, IPX2 cCSAus/ATEX (Sira) /I.S. -NG Option
208-298-02	1 of 1	B2	10 Nov 15	Barrier Plate, EPX2/IPX2
209-203-00	1 to 3	D	10 Nov 15	Case Assembly IPX2-Air
209-204-00	1 to 3	C	10 Nov 15	Case Assembly IPX2-NG

The following drawings listed below are removed from ATEX Certificate Sira 13ATEX1272X.

Drawing	Sheets	Rev.	Date (Sira Stamp)	Description
170-876-00	1 to 2	A	09-Aug-2013	PC1 BOM, IPX2
170-576-00	1 of 1	A	09-Aug-2013	PC1 Assy, IPX2
170-533-00	1 of 1	C	09-Aug-2013	PC4 – PC Assembly
170-833-00	1 of 1	C	09-Aug-2013	PC4 – BOM
170-579-00	1 of 1	A	09-Aug-2013	PC2 Assy, IPX2
170-879-00	1 of 1	A	09-Aug-2013	PC2 BOM, IPX2
170-475-00	1 of 1	A1	09-Aug-2013	Schematic, IPX2
510-521-01	1 to 2	A	09-Aug-2013	PC1 PCB Fabrication
510-521-02	1 to 4	A	09-Aug-2013	PC1 PCB Layout
510-523-01	1 to 2	A	09-Aug-2013	PC2 PCB Fabrication
510-523-02	1 of 1	A	09-Aug-2013	PC2 PCB Layout
100-100-78	1 of 1	B	09-Aug-2013	Field Installation Diagram: IPX2, Intrinsically Safe System for Hazardous "Classified" Locations

Issue 3 – No new drawings were introduced.

Issue 4

Drawing	Sheets	Rev.	Date (Stamp)	Title
205-289-01	1 to 2	F3	15 Jul 20	IPX2 Housing – Machined, NPT
802-237-24	1 of 1	A2	15 Jul 20	0.500 Flame Arrester
802-236-24	1 of 1	A2	15 Jul 20	0.250 Flame Arrester
209-204-01	1 to 2	A5	15 Jul 20	Base, -NG option, IPX2
205-890-00	1 of 1	D1	15 Jul 20	Booster Block List of Materials
170-775-00	1 of 19	H	27 Aug 20	Product Technical Description Notice (User's Manual)
205-289-02	1 of 1	D2	15 Jul 20	Base, IPX2 Air
802-158-24	1 of 1	B1	15 Jul 20	Gasket, IPX2
200-251-2447	1 of 1	C3	15 Jul 20	Name Plate, IPX2 Air cCSAus/ATEX (Sira) /I.S. and Ex-Proof
200-251-2450	1 of 1	A4	15 Jul 20	Name Plate, IPX2 cCSAus/ATEX (Sira) /I.S. -NG Option
208-298-02	1 of 1	B3	15 Jul 20	Barrier Plate, EPX2/IPX2

This certificate and its schedules may only be reproduced in its entirety and without change

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