1 **CONFORMITÉ EUROPÉENE**

EU - TYPE EXAMINATION CERTIFICATE

2 **Product or Protective System Intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU – Annex III**

3 EU - Type Examination Certificate No.: **TRAC12ATEX0050X (incorporating variations V1 to V4)**

4 Product: **Valve Position Monitor, SRA series variants 14, 16, 17, 25, 40, 42, 43, 52, 53, 55, 56, 58, 59, 70, 92, 93, 94, 95, 96, 97. 26, 30, 41, 44, 45, 46, 47, 48, 49, 71, 72, 73, 74, 90, 91.**

5 Manufacturer: **Imtex Controls Ltd.**

6 Address: **Unit 4, Tenth Avenue, Deeside Industrial Park, Deeside, Flintshire, CH5 2UA United Kingdom**

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

8 Element Materials Technology, Notified Body number 2812, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products 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 **TRA-010425-33-00A, TRA-028383-33-00A & TRA-055505-33-01A.**

9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0:2018 **EN 60079-1:2014** **EN 60079-31:2014**

Except in respect of those requirements listed at section 18 of the schedule.

10 If the sign “X” is placed after the certificate number, it indicates that the product is subject to specific conditions of use specified in the schedule to this certificate.

11 This EU - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

12 The marking of this product shall include the following:

Ex II 2 G D
Ex db IIB+H2 T4/T6 Gb
Ex tb IIIC T130ºC/ T85ºC Db
Tamb = -50ºC to +60ºC (T6) & -50ºC to +85ºC (T4)
Applicable for cover type C110141.

Ex II 2 G D
Ex db IIC T4/T6 Gb
Ex tb IIIC T130ºC/ T85ºC Db
Tamb = -50ºC to +60ºC (T6) & -50ºC to +85ºC (T4)
Applicable for cover type C110142

This certificate and its schedules may only be reproduced in its entirety and without change. This certificate is issued in accordance with the Element Materials Technology Ex Certification Scheme.

S P Winsor, Certification Manager

Issue date: 2022-07-18

Element Materials Technology Rotterdam BV
Zekeringstraat 33, 1014 BV, Amsterdam, Netherlands
Registered in the Netherlands. Registered Office: PO Box 6854, 4802 HW, Breda, Netherlands
Company Reg. No. 24170257

13 SCHEDULE TO EU - TYPE EXAMINATION CERTIFICATE

14 CERTIFICATE NUMBER TRAC12ATEX0050X (incorporating variations V1 to V4)

15 Description of Product

The SRA series Valve Position Monitors are designed to provide high accuracy feedback of valve position for use with plant control systems and can be used in hazardous gas or explosive dust atmospheres. The equipment is mounted to a valve via a mounting plate and mounting kit. The enclosure is constructed from Aluminium and is of a two part construction, a cylindrical shape approximately 100mm in height by 145mm diameter. A shaft on the bottom of the SRA is physically linked to the valve and passes into the SRA flameproof IP6X enclosure. This shaft can be linked internally to a variety of components, micro switches, transmitters, reed switches, etc depending on the end user requirements. An output shaft on the top of the SRA can provide a physical 'open/closed' type of visual indication via a polycarbonate dome which houses a red/green tile type indicator.

There are many options available for the internal components that can be fitted but the enclosure is the same for all models. Two entry ports into the enclosure can be supplied as M20, M25, ½ or ¾ NPT threaded entries. The equipment is identified through one of the two nomenclatures below.

Original Part number nomenclature refer to Drawing A190280.

Product	**Nomenclature SRA-aa-b-c-d-e-f**
SRA	Type Designator SRA
aa	Function Alternative internal switches 14, 16, 17, 25, 40, 42, 43, 52, 53, 55, 56, 58, 59, 70, 92, 93, 94, 95, 96, 97.
b	Enclosure material 9
c	Entry thread types, Conduit, 5, 8, B, D, E, F
d	Output drive shaft type, L M, S
e	Indicator, R, B, E, W, Y, O
f	Feature IXX

New Part number nomenclature refer to Drawing A190280U.

Product	**Nomenclature SRA-b-cc-d-ee-ff-g-h-ii-j-k-l-m-n-o-p-qq**
SRA	Model SRA
b	No. of Primary Function(numeric), 0,1, 2, 3, 4
cc	Primary Function 00, 14, 16, 17, 25, 26, 30, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 70, 71, 72, 73, 74, 90, 91
d	No. of Secondary Function, 0, 1, 2
ee	Secondary Function, 00, 14, 16, 17, 25, 26, 30, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 60, 70, 71, 72, 73, 74, 90, 91
ff	Non-Standard Switch/Sensor Designator, 00 or 2 digit alpha number from register.
g	Material, A
h	Cover Size, S, T
ii	Enclosure Coating, 00 or 2 digit alpha number from register.
j	Conduit Entries Available for Connection, 1, 2, 5, 6, 9, A, B, E, F, J
k	Shaft, L, M, N, S
l	Indicator, R, B, E, Y, N, S, F, O, 1, 2, 3, 4, 5, 6
m	No. of Extra/Spare Terminals, 0, 2, 4
n	Communication Protocol, 0, 1, 2, 5, 6, 7, A, B, D, F
o	Regional Certification, W
p	Hazardous Feature, D, H
qq	Special Feature, 00 or 2 digit alpha number from register

16 Test Report No. (as added for this issue of the certificate): TRA-055505-33-01A.

17 Specific Conditions of Use

1. Installation should be carried out by suitably trained personnel to an applicable Code of Practice (e.g. IEC/EN60079-14).
2. Only suitably IP and Ex d certified and temperature rated cable glands, thread adaptors and blanking plugs are permitted for use with ATEX/IECEx flameproof enclosures.
3. For units operating at +85ºC, cable, cable glands or conductors in conduit shall be rated +100ºC (minimum).
4. Monitor includes external plastic parts and presents electrostatic hazard: Clean only with a damp cloth.
5. Do not install on an external source of heating or cooling e.g. by hot/cold air blowing temperature units.
6. Monitor should not be opened when energised or an explosive atmosphere may be present.
7. The cover screws (13) must be loosened before opening and re-tightened before the monitor re-enters service.
8. The equipment shall not be subjected to a buildup of dust and is to be cleaned regularly to prevent a layer of dust forming on the enclosure.- The other conditions of use are stipulated in the instructions

Attention is drawn to the operating and installation instructions which may contain useful information in relation to conditions of use.

18 Essential Health and Safety Requirements (Directive Annex II)

Element Materials Technology has conducted a gap analysis between the standards applied within the reports listed under section 8 and the latest versions of the corresponding harmonised standards (as listed in section 9). This analysis has confirmed continued compliance with the Essential Health and Safety Requirements. The analysis is detailed in report: TRA-055505-33-01A.

In addition to the Essential Health and Safety Requirements covered by the standards listed at item 9, all other requirements are demonstrated in the relevant reports.

19 Drawings and Documents

The list of controlled technical documentation is given in Appendix A to this schedule.

20 Routine Tests

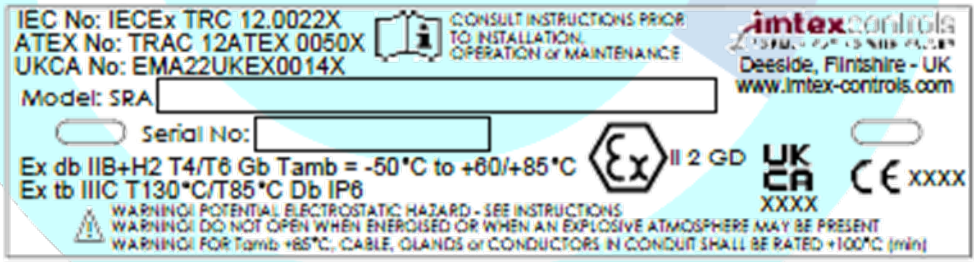
1. The enclosures shall be subjected to a routine pressure test in accordance with EN 60079-1:2007, Clause 16.1. As a result, there shall be no permanent deformation or damage to the joints or enclosure. The enclosures shall be tested at a pressure of:
    - SRA IIB+H2 Version at a minimum pressure of 10.3 bar for at least 10 seconds
    - .SRA IIC Version at a minimum pressure of 14.6 bar for at least 10 seconds.

21 Specific Conditions for Manufacture

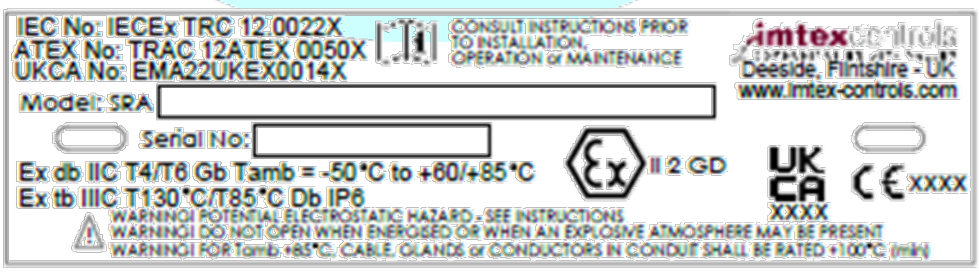
None.

22 Photographs

23 Details of Markings



IIB+H2 Version used on cover type C110141



IIC Version used on cover type C110142

QAN Notified Body Number for both ATEX and UKCA to be added at print. ATEX No to be added after 'CE' mark and UKCA No to be added below 'UKCA' mark (as indicated by 'XXXX')

24 Certificate History

Original certificate	2013-04-12	First issue.
Variation V1	2014-12-18	Change of address and update of label.
Variation V2	2016-08-08	Addition of IIC variant using small cover C110142 and update to drawings
Variation V3	2019-11-01	This certificate was originally issued by Notified Body number 0891 under Directive 2014/34/EU. The technical file has been transferred to Element Notified Body number 2812 without further assessment or evaluation.
Variation V4	2022-07-18	Addition of an alternative part numbering and drawing changes for update to Ex 'db' and UKEX certification

This certificate is a consolidated certificate and reflects the latest status of the certification, including all variations and amendments.

25 Notes to CE marking

In respect of CE Marking, Element Materials Technology accepts no responsibility for the compliance of the product against all applicable Directives in all applications.

26 Notes to this certificate

Element Materials Technology certification reference: ERO035075P94 (GU-IMTQ-0006).

Throughout this certificate, the date format yyyy-mm-dd (year-month-day) is used.

Notified Body number 2812 is the designation for Element Materials Technology Rotterdam BV.

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. Variation certificates to such EC-Type Examination Certificates, and new issues of such certificates, may continue to bear the original certificate number issued prior to 20 April 2016

27 Conditions for the validity of this certificate

This certificate remains valid for so long as:

(i) The equipment listed in section 4 is manufactured in accordance with the documents listed in Appendix A of this certificate.

(ii) The standards listed in section 9 of this certificate continue to satisfy the Essential Health and Safety Requirements of Annex II of Directive 2014/34/EU and the generally acknowledged state of the art (e.g. as determined by the publishers of those standards).

SCHEDULE TO EU - TYPE EXAMINATION CERTIFICATE

CERTIFICATE NUMBER TRAC12ATEX0050X (incorporating variations V1 to V4)

APPENDIX A - TECHNICAL DOCUMENTS

Title:	Drawing No.:	Rev. Level:	Date:
Type SRA - Exd - Master Model Description	A190280	B	2015-07-07
SRA Shaft Assembly	J100408	A	2012-10-22
SRA - Exd - Master Model Description	A190280U	First	2022-02-03
SRA cover IIB+H2 Version	C110141	E	2016-05-10
SRA Small Cover - IIC	C110142	B	2016-05-10
Flameproof Gap Analysis - SRA - Exd	J100413	B	2016-05-11
SRA Housing Small	C100180	D	2013-01-02
Gap Analysis – SRA w/ 4 x Mech Switch - Exd	J100407	-	2012-07-05
SRA assembly – Requirements Exd Monitor	J100409	A	2016-05-11
SRA Free Volume calculation	J100410	A	2016-05-11
110.74 ID x 1.78 - EPDM	BS-542-EPDM	-	2012-07-05
98.5 x 1.5 O-Ring - EPDM	A170031	-	2009-07-21
External Earthing Clamp	A100353	-	2008-09-22
Exd Title Plate – SRA Unit	A160189	E	2022-03-22
SRA w/2 x Mech -ATEX	SRA 1695 MR-IOO	C	2015-07-07
SRA w/transmitter & 2 x A140077	SRA7095MR-ISW	-	2013-01-02
Installation, Operation and Maintenance SRA – IECEx/ATEX (Sheets 1 to 3)	A190291	D	2022-01-07

Note: The symbol " - " indicates that this information was not available.