1 # 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.: **EMT16ATEX0053X**

4 Product: **SCH Type 50 Head Series of Ex certified assemblies: Type 50, Type 51, Type 53**

5 Manufacturer: **Status Instruments Ltd.,**

6 Address: **Status Business Park, Gannaway Lane, Tewkesbury, GL20 8FD 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 0891, 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 report **TRA-032430-33-00A.**

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

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

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:

II 1 G D

Ex ia IIC T4 Ga

Ex ia IIIC T135°C Da

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: 2017-11-15

CSF355 4.0

Unit 1, Pendle Place, Skelmersdale, West Lancashire, WN8 9PN, United Kingdom
Element Materials Technology Warwick Ltd.
Registered in England and Wales. Registered Office: 5 Fleet Place, London, EC4M 7RD
Company Reg No. 02536659

13 SCHEDULE TO EU - TYPE EXAMINATION CERTIFICATE

14 EMT16ATEX0053X

15 Description of Product

Each Type 50 Head Series assembly comprises a metal enclosure housing a certified temperature transmitter and an optional indicator with a sensor, or terminal blocks and a sensor. The sensor is typically an RTD or thermocouple classed as simple apparatus. An assembly is supplied by a certified intrinsically safe barrier with output parameters not exceeding Uo=28 V, Io=100 mA and Po=700 mW.

The type 50 is a single entry enclosure, the type 51 is a dual entry enclosure and the type 53 is a dual entry enclosure for wall or pipe mounting.

Table of entity parameters	
Parameter	Channel 1
Ui	28 V
Ii	100 mA
Pi	700 mW
Ci	See individual Transmitter certificate
Li	See individual Transmitter certificate

16 Test report No. (associated with this certificate issue): TRA-032430-33-00A.

17 Specific Conditions of Use

1. Equipment must be installed such that risk of impact or abrasion of light metal enclosure is avoided. User must regularly check for signs of damage to exterior finish and replace the equipment should signs of damage be apparent.
2. The equipment may be installed in conjunction with an RTD or Thermocouple transmitter and supplied from a suitably certified Zener barrier or galvanic isolator with output parameters not exceeding Uo=28V, Io=100mA and Po=700mW.
3. The Capacitance and Inductance or Inductance/Resistance (L/R) ratio of the Hazardous Area Cables must not exceed the values calculated from the C, L and L/R values permitted by the barrier minus any Ci and Li of the Hazardous Area Equipment.
4. When installing devices any special conditions required by the transmitter must be followed.
5. A full copy of Certificate EMT 16ATEX0053X is available upon request or to download at www.status.com
6. The relevant transmitter certificate will be supplied with the connection head. For Li, Ci, Uo, Io, Po, Co and Lo Parameters refer to supplied transmitter certificate.

18 Essential Health and Safety Requirements (Directive Annex II)

In addition to the Essential Health and Safety Requirements covered by the standards listed at item 9, the following are considered relevant to this product, and conformity is demonstrated in the report:

Clause	Subject
None	None

19 Drawings and Documents

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

20 Routine Tests

1. The electrical circuit in the hazardous area must be capable of withstanding an A.C test voltage of 500 Volts R.M.S to earth or frame of the apparatus for one minute. (Not applicable if galvanic isolators are used) as per EN 60079-11:2012 Clause 6.3.13

21 Specific Conditions for Manufacture

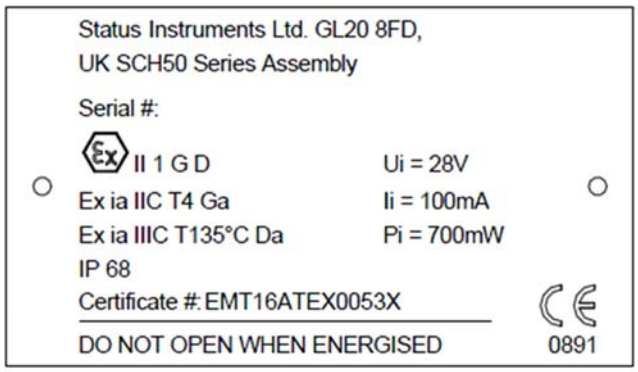
None.

22 Photographs

Photograph 1- Overview of Type 50 Head

Photograph 2 – Overview of Type 51 Head

23 Details of Markings



24 Details of Variations to this Certificate

- None

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: TRA-032430-32-00.

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

Notified Body 0891 is the designation for Element Materials Technology Warwick Ltd (formerly known as TRaC Global Ltd).

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).

APPENDIX A - Technical Documents			
Title:	Drawing No.:	Rev. Level:	Date:
SCH 50 series ATEX Ex ia Head instructions	D2599-01 (52-214-2599-01)	01	2017-01
Type 50 series Label	S5166-01-01 HBS/13/9174	*	2016-08-31
System Diagram for temperature transmitter	HBS/13/9175	*	2016-08-31
System Diagram for temperature transmitter	HBS/13/9176	*	2016-08-31
SHC50 series connection Head transmitter parameters	HBS/13/9200	*	2016-08-31
NBR70 ‘O’ Ring Part No. 192074	HBS/13/9195	*	2016-08-31