

1 **SUPPLEMENTARY EU - TYPE EXAMINATION CERTIFICATE**

2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres  
Directive 2014/34/EU**

3 Supplementary EU - Type Examination Certificate Number: **Baseefa03ATEX0675/2**

3.1 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. Supplementary 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.

4 Product: **WHIRLIGIG**

5 Manufacturer: **SYNATEL INSTRUMENTAITON LTD**

6 Address: **Walsall Road, Norton Canes, Cannock, Staffordshire WS11 9TB**

7 This supplementary certificate extends EC – Type Examination Certificate No. Baseef03ATEX0675 to apply to products designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

8 SGS Baseefa, Notified Body number 1180, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that the product, as modified by this supplementary certificate, 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.

9 Item 9 of the original Certificate is replaced by “Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

**EN 80079-36: 2016 and EN 80079-37: 2016**

except in respect of those requirements listed at item 18 of the Schedule.”

12 The marking of the equipment has changed from the original Certificate and shall include the following:

⊗ II 1G Ex h IIC T5 Ga

⊗ II 1D Ex h IIIC T100°C Da

(Tamb -15°C to +50°C)

SGS Baseefa Customer Reference No. 1057

Project File No. 16/0546

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**SGS Baseefa Limited**

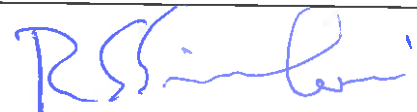
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R S SINCLAIR

TECHNICAL MANAGER

On behalf of SGS Baseefa Limited

13 **Schedule**

14 **Certificate Number Baseefa03ATEX0675/2**

15 **Description of the variation to the Product**

**Variation 2.1**

To confirm that the Whirligig covered by this certificate have been reviewed against the requirements of EN 80079-36: 2016 and EN 80079-37: 2016 in respect of the differences from EN 13463-1: 2001 and EN 13463-5: 2003, and complies with the requirements of the latest standards.

The marking changes as follows:

⊕ II 1G Ex h IIC T5 Ga

⊕ II 1D Ex h IIIC T100°C Da  
(Tamb -15°C to +50°C)

**Variation 2.2**

To confirm change of ownership of existing body and cap material.

**Variation 2.3**

To add alternative body and cap material.

**Variation 2.4**

To add an alternative label with both Synatel and 4B Braime Elevator Components Ltd shown.

16 **Report Number**

16(C)0546

17 **Specific Conditions of Use**

None

18 **Essential Health and Safety Requirements**

Compliance with the Essential Health and Safety Requirements is not affected by this variation.

19 **Drawings and Documents**

Number	Issue	Date	Description
A3-300420B	B	23/08/16	Whirligig (A) enclosure detail
A4-15021C	C	23/08/16	Whirligig generic label
A4-15045C	C	23/08/16	Synatel and 4B Braime generic label



## CERTIFICATION REPORT

16(C)0546

REPORT ON. WHIRLIGIG  
DATED 25 August 2016  
REGISTRATION No. 1057  
CUSTOMER Synatel Instrumentation Ltd  
ADDRESS Walsall Road, Norton Canes, Cannock,  
Staffordshire WS11 9TB

Prepared by: *Louise Brearley*  
Louise Brearley  
Certification Engineer

Checked and  
Approved by: *David Brearley*  
David Brearley  
Certification Manager

Where values of uncertainty of measurement are given, these are expressed at the 95% confidence level unless otherwise stated.

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# INDEX FOR CERTIFICATION REPORT 16(C)0546

<u>Section</u>	<u>Page</u>
<b>Assessment narrative and conclusions</b>	<b>3</b>

**Compliance checklists**

**Baseefa tests**

None

The signatures, date and other information on the cover sheet apply to all the above.

Those signing the front sheet of this report do so on behalf of SGS Baseefa Ltd.

## Annexed Documents

## No. of Pages

**Baseefa reports and Baseefa subcontractors reports with own cover**

None

**Manufacturer supplied reports and information**

None

**Other reports and information**

None

Responsibility for individual documents remains with the originator of the individual document.

## 1 INTRODUCTION

This report covers the assessment of the Synatel Instrumentation Ltd WHIRLIGIG against the requirements of EN 80079-36: 2016, EN 80079-37: 2016 and Directive 2014/34/EU in support of certificate Baseefa03ATEX0675 supplement 2 for category 1 GD equipment.

## 2 DESCRIPTION

The WHIRLIGIG is fully described in Baseefa Certification Report Numbers 03(C)0899 held on Baseefa03ATEX0675 against the requirements of EN 13463-1: 2001 and EN 13463-5: 2003 for category 1 GD equipment.

The changes are as follows:

- ~ Standards update to confirm that the Whirligig meets the requirements of EN 80079-36: 2016 and EN 80079-37: 2016 in respect of the differences from EN 13463-1: 2001 and EN 13463-5: 2003.
- ~ To change ownership and material name of existing body and cap material, from previous manufacturer WTP Ltd material type PPC 1034, to the new manufacturer Hubron (International ) Limited material type PPCB8034, polypropylene conductive compound.
- ~ To add alternative body and cap material, manufacturer 4PLAS LTD material type 4PROP 9C19300, conductive copolymer polypropylene.
- ~ To add an alternative label with both Synatel and 4B Braime Elevator Components Ltd shown.

## 3 DRAWINGS

<u>Number</u>	<u>Issue</u>	<u>Date</u>	<u>Description</u>
<u>A3-300420B</u>	<u>B</u>	<u>23/08/16</u>	<u>Whirligig (A) enclosure detail</u>
<u>A4-15021C</u>	<u>C</u>	<u>23/08/16</u>	<u>Whirligig generic label</u>
<u>A4-15045C</u>	<u>C</u>	<u>23/08/16</u>	<u>Synatel and 4B Braime generic label</u>

## 4 ASSESSMENT

### 4.1 Standards update

There are no technical differences from EN 13463-1: 2001 and EN 13463-5: 2003 to that of EN 80079-36: 2016, EN 80079-37: 2016 that affect the Whirligig. The marking changes as follows:

⊕ II 1G Ex h IIC T5 Ga

⊕ II 1D Ex h IIC T100°C Da

Tamb -15°C to +50°C

4.2 Change ownership and material name of existing body and cap material

Synatel have supplied a copy of the letter from the new manufacturer Hubron (International) Limited that states that their material type PPCB8034 polypropylene conductive compound was formerly manufactured by WTP Ltd to the superseded material type PPC 1034, and that the material has the same ingredients and are manufactured on the same equipment to the same specification. A copy of the letter and new Hubron material data sheet is held on the Technical File. No further assessment required.

4.3 Add alternative body and cap material, manufacturer

The alternative body and cap material is manufactured by 4PLAS LTD material type 4PROP 9C19300, and is a conductive copolymer polypropylene, with a surface resistivity far less than 1 Gig Ohm and is therefore deemed dissipative. As failure of the body and cap materials does not lead to an ignition risk no further assessment is required.

4.4 Add an alternative label option

The alternative label option is to have both the manufacturers' and their specified stockist/suppliers' details shown. The label has Synatel's name and address shown at the base of the label preceding the text 'Manufactured by:', and the alternative name '4B Braime Elevator Components Ltd' and their logo appears at the top of the label in larger text. The certification coding and label layout/materials remain unchanged.

5 CONCLUSION

The WHIRLIGIG, with the changes as listed in clause 4, meets the requirements of EN 80079-36: 2016, EN 80079-37: 2016 and Directive 2014/34/EU.





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**4B BRAIME ELEVATOR COMPONENTS LTD. CE**  
 Hunslet Road, Leeds. LS10 1JZ . GB 1180  
 20XX  
 Baseefa03ATEX0675  
 Manufactured by: Synatel Instrumentation Ltd. WS11 9TB UK

Baseefa03ATEX0675/2



*L. Breatley*  
 L. Breatley

CERTIFIED DRAWING, NOT TO BE MODIFIED WITHOUT REFERENCE TO THE CERTIFYING AUTHORITY. CERTIFYING AUTHORITY: SGS BASEEFA

**MATERIAL : >**

1. BRASS OR STAINLESS STEEL ENGRAVED OR ETCHED

2. LIGHTHOUSE (U.K.) LTD

Vinyl + Ribbon

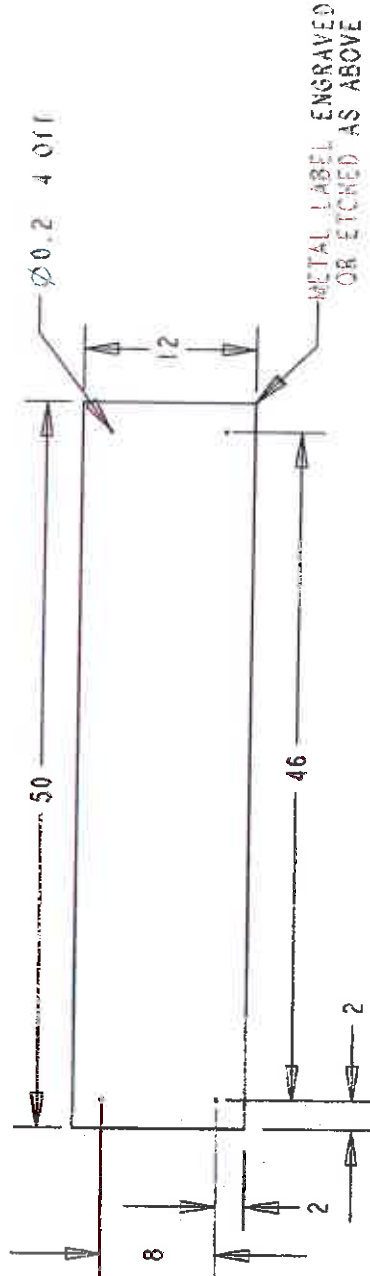
- CPMR40 - RC Black
- " 41 White
- " 42 Red
- " 43 Blue
- " 44 Green
- " 45 Yellow
- " 46 Orange

- CPMSR40 - RC Black
- " 41 White
- " 42 Red
- " 43 Blue
- " 44 Green
- " 45 Dark Green

Polyester + Ribbon

- CPMSR01 White
- " 02 Yellow
- " 03 Green
- " 04 Red
- " 05 Blue
- " 06 Black
- " 51 Silver Grey

Abrasion guard CPMR47-RC



YEAR OF MANUFACTURE TO BE COMPLETED AFTER "20"

FILE	SUFFIX	Mod	ISSUE	ISSUE	ISSUE	ISSUE	ISSUE	ISSUE	ISSUE	THIRD ANGLE	DESCRIPTION
			1	2	3	4	5	6	7	⊙	WHIRLIG BRAIME GENERIC LABEL
		LABEL AMENDED FOR NEW CERT DCR 9931								⊙	
		23-08-16								2000	DRAWN BY R.A.
											DATE 04-12-03
											APPROVED

TOLERANCE ±0.1mm UNLESS STATED

*[Signature]*



