



Certificate of Compliance

Certificate: 70004793

Master Contract: 259620

Project: 80131161

Date Issued: 2022-09-02

Issued To: Sensy S.A
BE0427858981
Z.I Jumet
Allee Centrale
Charleroi, Hainaut, 6040
Belgium
Attention: Sylvia Delcambe

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only



Issued by:

R Papiiah

PRODUCTS

CLASS 2258-04 -PROCESS CONTROL EQUIPMENT – Intrinsically Safe, Entity - For Hazardous Locations

Ex ia IIC T6 Ga

Ex ia IIIC T80°C Da

Class I, Division 1, Groups A, B, C and D; Class II Division 1, Groups E, F, G; Class III

CLASS 2258-84 -PROCESS CONTROL EQUIPMENT – Intrinsically Safe, Entity -For Hazardous Locations – Certified to US Standards

AEx ia IIC T6 Ga

AEx ia IIIC T80°C Da

Class I, Division 1, Groups A, B, C and D; Class II Division 1, Groups E, F, G; Class III



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Type 5000,5100, 5105, 5300, 5600,5560, 2600, 2960 Shear Beam Force Transducers, $-40^{\circ}\text{C} \geq T_a \geq +60^{\circ}\text{C}$, intrinsically safe when installed with the with following options and entity parameters:

Option	I4 force transducer	I6 force transducer	C6 force transducer	C6 + rond / carré Force transducer
BODY	CE-5000-XXXXXXXXXX CE-5300-XXXXXXXXXX CE-5600-XXXXXXXXXX CE-5560-XXXXXXXXXX CE-2600-XXXXXXXXXX CE-2960-XXXXXXXXXX CE-5100-XXXXXXXXXX CE-5105-XXXXXXXXXX	CE-5000-XXXXXXXXXX CE-5300-XXXXXXXXXX CE-5600-XXXXXXXXXX CE-5560-XXXXXXXXXX CE-2600-XXXXXXXXXX CE-2960-XXXXXXXXXX CE-5100-XXXXXXXXXX CE-5105-XXXXXXXXXX	CE-5000-XXXXXXXXXX CE-5300-XXXXXXXXXX CE-5600-XXXXXXXXXX CE-5560-XXXXXXXXXX CE-2600-XXXXXXXXXX CE-2960-XXXXXXXXXX	CE-5000-XXXXXXXXXX CE-5300-XXXXXXXXXX CE-5600-XXXXXXXXXX CE-5560-XXXXXXXXXX CE-2600-XXXXXXXXXX CE-2960-XXXXXXXXXX
STRAIN GAUGES	Transducer-class strain gauges (no resistance limitation > 350Ω)	Transducer-class strain gauges: * Resistance > 1000Ω	Transducer-class strain gauges: * Resistance > 1000Ω	Transducer-class strain gauges: * Resistance > 1000Ω
CORRECTION CIRCUIT	CI-5000XXX CI-5510XXX CI-2712XXX	CI-5000XXX CI-5510XXX CI-2712XXX	CI-5000XXX CI-5510XXX CI-2712XXX	CI-5000XXX CI-5510XXX CI-2712XXX
AMPLIFIER	-	-	ICA5A amplifier	ICA5A amplifier
OUTPUT WIRE	Refer to conditions of applicability.	Refer to conditions of applicability.	Refer to conditions of applicability.	Refer to conditions of applicability.
Cable	4 wire cable (6 wires if Sense)	4 wire cable (6 Wires if Sense)	2 wire cable	4 wire/2 wire cable
The total combination of U_i/V_{max} , I_i/I_{max} and P_i at Power supply and signal output lines shall not exceed	$U_i/V_{max} = 28\text{V}$ $I_i/I_{max} = 160\text{ mA}$ $P_i = 1\text{ W}$ $C_i = 0$ $L_i = 0$	$U_i/V_{max} = 28\text{V}$ $I_i/I_{max} = 160\text{ mA}$ $P_i = 1\text{ W}$ $C_i = 0$ $L_i = 0$	$U_i/V_{max} = 28\text{V}$ $I_i/I_{max} = 160\text{ mA}$ $P_i = 1\text{ W}$ $C_i = 0$ $L_i = 15.92\text{ }\mu\text{H}$	$U_i/V_{max} = 28\text{V}$ $I_i/I_{max} = 160\text{ mA}$ $P_i = 1\text{ W}$ $C_i = 0$ $L_i = 15.92\text{ }\mu\text{H}$

Conditions of Acceptability:

- i When the apparatus is used in dust atmospheres, connectors, plugs and cable glands used shall have an ingress protection of at least IP6X.
- ii The equipment is not capable of withstanding the 500V dielectric strength requirement in accordance with clause 6.3.13 of ANSI/UL 60079-11:13, 6th Edition or CAN/CSA-C22.2 No. 60079-11:14 . This shall be taken into account when installing the equipment.



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APPLICABLE REQUIREMENTS

Canadian Standards

CAN/CSA-C22.2 No. 0-10	General Requirements - Canadian Electrical Code Part II
C22.2 No.142-M1987	Process Control Equipment
CAN/CSA-C22.2 No. 60079-0:11 (IEC 60079-0:2007 5 th Ed., MOD)	Explosive atmospheres — Part 0: Equipment — General requirements
CAN/CSA-C22.2 No. 60079-11:14 (IEC 60079-11:2011 6 th Ed., MOD)	Explosive atmospheres — Part 11: Equipment protection by intrinsic safety “i”

US Standards

ANSI/UL 508, 17 th Edition	Industrial Control Equipment
ANSI/UL Standard 913	Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II, and III, Division 1, Hazardous (Classified) Locations
ANSI/UL 60079-0:13, 6 th Edition	Explosive Atmospheres - Part 0: Equipment - General Requirements
ANSI/UL 60079-11:13, 6 th Edition	Explosive Atmospheres – Part 11: Electrical Protection by Intrinsic Safety “i”



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MARKINGS

The manufacturer is required to apply the following markings:

- Products shall be marked with the markings specified by the particular product standard.
- Products certified for Canada shall have all Caution and Warning markings in both English and French.

Additional bilingual markings not covered by the product standard(s) may be required by the Authorities Having Jurisdiction. It is the responsibility of the manufacturer to provide and apply these additional markings, where applicable, in accordance with the requirements of those authorities.

The products listed are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US (indicating that products have been manufactured to the requirements of both Canadian and U.S. Standards) or with adjacent indicator 'US' for US only or without either indicator for Canada only.

The marking is engraved onto the equipment and includes the following:

- CSA file number “259620”.
- Catalogue / Model designation.
- Entity parameters
- Date code / Serial number traceable to month and year of manufacture.
- The CSA Mark with adjacent C_US qualifiers.
- Hazardous Location markings for Canada as follows:
 - Ex ia IIC T6 Ga
 - Ex ia IIIC T80°C Da
 - Class I, Division 1, Groups A, B, C and D; Class II Division 1, Groups E, F, G; Class III
- Hazardous Location markings for United States (US) as follows:
 - Class I, Zone 0, AEx ia IIC T6 Ga
 - Zone 20, AEx ia IIIC T80°C Da
 - Class I, Division 1, Groups A, B, C and D; Class II Division 1, Groups E, F, G; Class III
- Ambient temperature for Canada and United States (US): $-40^{\circ}\text{C} \geq T_a \geq +60^{\circ}\text{C}$

Notes:

Products certified under Class C225804 have been certified under CSA’s ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). www.scc.ca





UNITED KINGDOM CONFORMITY ASSESSMENT

1 TYPE EXAMINATION CERTIFICATE

2 Equipment Intended for use in Potentially Explosive Atmospheres
UKSI 2016:1107 (as amended)

3 Certificate Number: CSAE 23UKEX1013X Issue: 0
4 Product: Options I4, I6, C6 and C6-rond/carre Shear Beam Load Cells
5 Manufacturer: Sensy S.A.
6 Address: Z.I of Jumet
Allee Central
B-6040 JUMET
Belgium

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

8 CSA Group Testing UK Limited, 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 Schedule 1 of the Regulations. 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 has been assured by compliance with:
EN IEC 60079-0:2018 EN 60079-11:2012

Except in respect of those requirements listed at Section 16 of the schedule to this certificate.

The above standards may not appear on the UKAS Scope of Accreditation, but have been added through flexible scope of accreditation, which is available on request.

10 If the sign 'X' is placed after the certificate number, it indicates that the product is subject to Specific Conditions of Use identified in the schedule to this certificate.

11 This TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Regulations 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 3GD
Ex ia IIC T6 Gc
Ex ia IIIC T80°C Dc
(Vol < 580cm³)
Ta = -55°C to +60°C

Name: Michelle Halliwell
Title: Director of Operations



UKUK
CANI

CSA Group Testing UK Ltd., Unit 6 Hawarden Industrial Park, Hawarden, CH5 3US, UK
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Certificate No. CSAE23UKEX1013X

DQD544.23 Issue 3 (2022-01-14)

Page 1 of 3

SCHEDULE

TYPE EXAMINATION CERTIFICATE

CSAE 23UKEX1013X

Issue 0

13 DESCRIPTION OF PRODUCT

The Force Transducers are designed to convert an applied load into a proportional analogue output signal. The equipment comprises of a load sensing strain-gauge bridge and optional resistors, all housed and encapsulated within a metal enclosure. The only differences between the Force Transducers in the range are their physical size and magnitude of load measurements.

Each model may vary, within defined limits, in size and shape to cover a variety of load capacities. Additional mechanical attachments may be added to create loading assemblies.

The various configuration options are detailed below:

Option	I4	I6	C6	C6-rond C6-carré
Body	CE-500Y-XXXXXXXXXX CE-505Y-XXXXXXXXXX CE-530Y-XXXXXXXXXX CE-560Y-XXXXXXXXXX CE-556Y-XXXXXXXXXX CE-260Y-XXXXXXXXXX CE-296Y-XXXXXXXXXX CE-510Y-XXXXXXXXXX CE-510Y-XXXXXXXXXX	CE-500Y-XXXXXXXXXX CE-505Y-XXXXXXXXXX CE-530Y-XXXXXXXXXX CE-560Y-XXXXXXXXXX CE-556Y-XXXXXXXXXX CE-260Y-XXXXXXXXXX CE-296Y-XXXXXXXXXX CE-510Y-XXXXXXXXXX CE-510Y-XXXXXXXXXX	CE-500Y-XXXXXXXXXX CE-505Y-XXXXXXXXXX CE-530Y-XXXXXXXXXX CE-560Y-XXXXXXXXXX CE-556Y-XXXXXXXXXX CE-260Y-XXXXXXXXXX CE-296Y-XXXXXXXXXX CE-510Y-XXXXXXXXXX CE-510Y-XXXXXXXXXX	CE-500Y-XXXXXXXXXX CE-505Y-XXXXXXXXXX CE-530Y-XXXXXXXXXX CE-560Y-XXXXXXXXXX CE-556Y-XXXXXXXXXX CE-260Y-XXXXXXXXXX CE-296Y-XXXXXXXXXX CE-510Y-XXXXXXXXXX CE-510Y-XXXXXXXXXX
Strain Gauges	Transducer-class strain gauges (no resistance limitation < 350Ω)	Transducer-class strain gauges: Resistance < 1000Ω	Transducer-class strain gauges: Resistance < 1000Ω	Transducer-class strain gauges: Resistance < 1000Ω
Correction Circuit	CI-5000XXX CI-5510XXX CI-2712XXX	CI-5000XXX CI-5510XXX CI-2712XXX	CI-5000XXX CI-5510XXX CI-2712XXX	CI-5000XXX CI-5510XXX CI-2712XXX
Amplifier	-	-	ICA5A amplifier	ICA5A amplifier
Output	Connector or cable gland in function of environmental conditions	Connector or cable gland in function of environmental conditions	Connector or cable gland in function of environmental conditions	Connector or cable gland in function of environmental conditions
Cable	4 Wires Cable (6 wires if Sense)	4 Wires Cable (6 wires if Sense)	2 Wires Cable	4 Wires / 2 Wires Cable
Total combination of Ui, Ii and Pi, at power supply and signal output lines	Ui = 28.0V; Ii = 160mA; Pi = 0.7W; Ci = 0 nF; Li = 0 μH	Ui = 28.0V; Ii = 160mA; Pi = 0.7W; Ci = 0 nF; Li = 0 μH	Ui = 28.0V; Ii = 160mA; Pi = 0.7W; Ci = 0 nF; Li = 15.92 μH	Ui = 28.0V; Ii = 160mA; Pi = 0.7W; Ci = 0 nF; Li = 15.92 μH

Incorporated amendments

The product description includes the following applicable amendments from the previous supporting assessments. Only amendments directly applicable to UKCA certification have been included in this list. The amendments are numbered to include a reference to the variation at which these were introduced.

Amendment 1 – To extend the lower ambient temperature to -55 °C for certain encapsulation materials, as a result an additional condition of manufacturer was introduced.

Amendment 2 – Marking requirements as a result of the appropriate assessment to demonstrate compliance with the requirements of the IEC 60079 series of standards, the standards EN 60079-0:2012 were replaced by EN IEC 60079-0: 2018 respectively, the markings were amended accordingly.



SCHEDULE

TYPE EXAMINATION CERTIFICATE

CSAE 23UKEX1013X
Issue 0

14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Reports and Certificate History

Issue	Date	Report number	Comment
0	04 May 2023	R80139286A	The release of the prime certificate.

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

- 15.1 When the apparatus is used in dust atmospheres, connectors, plugs and cable glands used shall have an ingress protection of at least IP6X.
- 15.2 The equipment is not capable of withstanding the 500V dielectric strength requirement in accordance with clause Dielectric strength requirement of EN 60079-11. This shall be taken into account when installing the equipment.
- 15.3 The enclosure of the C6 CARRE amplifier box is manufactured from aluminium. In rare cases, ignition sources due to impact and friction sparks could occur. This shall be considered during installation.

16 ESSENTIAL HEALTH AND SAFETY REQUIREMENTS (REGULATIONS SCHEDULE 1)

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

17 PRODUCTION CONTROL

- 17.1 Holders of this certificate are required to comply with production control requirements defined in Schedule 3A, as applicable, and CSA Group Testing UK Regulations for Certificate Holders.
- 17.2 When the Dowsil encapsulants Type 3140 and 3145 are used in the equipment a lower ambient temperature of -55°C, from -40°C, can be permitted for the equipment.



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Certificate Annexe

Certificate Number: CSAE 23UKEX1013X

Product: Options I4, I6, C6 and C6-rond/carre Shear Beam Load Cells

Manufacturer: Sensy S.A.

Issue 0

Drawing	Sheets	Rev.	Date	Title
ATEX clearances	1 of 1	1	11 Mar 14	ATEX Clearances
ATEX top clearances	1 of 1	1	11 Mar 14	ATEX Top clearances
ICA5518-908	1 of 1	1	11 Mar 14	Bottom Layer
ICA5118-908	1 of 1	1	11 Mar 14	Bottom Overlay
518-908	1 of 1	1	11 Mar 14	Schematic
518-908	1 of 1	1	11 Mar 14	Top layer
518-908	1 of 1	1	11 Mar 14	Top Overlay
DT-BET-BOM Illustration	1 to 3	1	05 Dec 22	Bill of materials (Summary & drawings)
PA-BD49-BFM40-CM18	1 of 1	-	05 Dec 22	SF-BD49-BFM40-CM18
DT-SAQ-ATEX&CSA Bill of materials	1 of 1	3	05 Dec 22	Bill of materials
ET-EXI-Warning LIGHT MATERIAL	1 of 1	1	22 Dec 22	WARNING LABEL FOR POTENTIALLY SPARKING MATERIAL
CI-5000-2001	-1 of 1	-	11 Mar 14	Circuit 5000-2001 (Ø 16)
CI-5510-1999	-1 of 1	-	11 Mar 14	Circuit 5510-1999
OPTION_C6_CARRE_EX_RDOC	1 of 1	0	22-Dec-22	C6-CARRE option (Ref.Doc)
-	1 of 1	25/06/2012	11 Mar 14	Option C6-rond
-	1 of 1	10/12/2013	11 Mar 14	Control drawing for C6, C6-rond, C6-carre options
-	1 of 1	10/12/2013	11 Mar 14	Control drawing for I4 and I6 Options
-	1 of 1	10/12/2013	11 Mar 14	Double bridge Control drawings
ET-CSAnE-UKCA-Exi-LXLg-3GD	1 of 1	0	10-Mar-23	Ex ia zone 2/22 (3GD) LABEL FOR SENSOR EU & UK GAS AND DUST (-40°C ≤ Ta ≤ +60°C & any vol)



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UNITED KINGDOM CONFORMITY ASSESSMENT

1 UK TYPE EXAMINATION CERTIFICATE

2 Equipment Intended for use in Potentially Explosive Atmospheres
UKSI 2016:1107 (as amended) – Schedule 3A, Part 1

3 Certificate Number: CSAE 22UKEX1396X Issue: 0
4 Product: Options I4, I6, C6 and C6-rond/carre Shear Beam Load Cells
5 Manufacturer: Sensy S.A.
6 Address: Z.I of Jumet
Allee Central
B-6040 JUMET
Belgium

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

8 CSA Group Testing UK Limited, Approved Body number 0518, in accordance with Regulation 42 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended), 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 Schedule 1 of the Regulations. 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 has been assured by compliance with:
EN IEC 60079-0:2018 EN 60079-11:2012

Except in respect of those requirements listed at Section 16 of the schedule to this certificate. The above standards may not appear on the UKAS Scope of Accreditation, but have been added through flexible scope of accreditation, which is available on request.

10 If the sign 'X' is placed after the certificate number, it indicates that the product is subject to Specific Conditions of Use identified in the schedule to this certificate.

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

12 The marking of this product shall be in accordance with Regulation 41 and include the following:



II 1 GD
Ex ia IIC T6 Ga
Ex ia IIIC T₂₀₀81°C Da
(Vol => 580cm³)
Ta = -55°C to +60°C

Name: Michelle Halliwell
Title: Director of Operations



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CANI

Certificate No. CSAE 22UKEX1396X
CSA Group Testing UK Ltd., Unit 6 Hawarden Industrial Park, Hawarden, CH5 3US, UK
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QD-1599 Issue 4 (2022-08-22)

Page 1 of 3

SCHEDULE

UK TYPE EXAMINATION CERTIFICATE

CSAE 22UKEX1396X

Issue 0

13 DESCRIPTION OF PRODUCT

The Force Transducers are designed to convert an applied load into a proportional analogue output signal. The equipment comprises of a load sensing strain-gauge bridge and optional resistors, all housed and encapsulated within a metal enclosure. The only differences between the Force Transducers in the range are their physical size and magnitude of load measurements.

Each model may vary, within defined limits, in size and shape to cover a variety of load capacities. Additional mechanical attachments may be added to create loading assemblies.

The various configuration options are detailed below:

Option	I4	I6	C6	C6-rond C6-carré
Body	CE-500Y-XXXXXXXXXX CE-505Y-XXXXXXXXXX CE-530Y-XXXXXXXXXX CE-560Y-XXXXXXXXXX CE-556Y-XXXXXXXXXX CE-260Y-XXXXXXXXXX CE-296Y-XXXXXXXXXX CE-510Y-XXXXXXXXXX CE-510Y-XXXXXXXXXX	CE-500Y-XXXXXXXXXX CE-505Y-XXXXXXXXXX CE-530Y-XXXXXXXXXX CE-560Y-XXXXXXXXXX CE-556Y-XXXXXXXXXX CE-260Y-XXXXXXXXXX CE-296Y-XXXXXXXXXX CE-510Y-XXXXXXXXXX CE-510Y-XXXXXXXXXX	CE-500Y-XXXXXXXXXX CE-505Y-XXXXXXXXXX CE-530Y-XXXXXXXXXX CE-560Y-XXXXXXXXXX CE-556Y-XXXXXXXXXX CE-260Y-XXXXXXXXXX CE-296Y-XXXXXXXXXX CE-510Y-XXXXXXXXXX CE-510Y-XXXXXXXXXX	CE-500Y-XXXXXXXXXX CE-505Y-XXXXXXXXXX CE-530Y-XXXXXXXXXX CE-560Y-XXXXXXXXXX CE-556Y-XXXXXXXXXX CE-260Y-XXXXXXXXXX CE-296Y-XXXXXXXXXX CE-510Y-XXXXXXXXXX CE-510Y-XXXXXXXXXX
Strain Gauges	Transducer-class strain gauges (no resistance limitation < 350Ω)	Transducer-class strain gauges: Resistance < 1000Ω	Transducer-class strain gauges: Resistance < 1000Ω	Transducer-class strain gauges: Resistance < 1000Ω
Correction Circuit	CI-5000XXX CI-5510XXX CI-2712XXX	CI-5000XXX CI-5510XXX CI-2712XXX	CI-5000XXX CI-5510XXX CI-2712XXX	CI-5000XXX CI-5510XXX CI-2712XXX
Amplifier	-	-	ICA5A amplifier	ICA5A amplifier
Output	Connector or cable gland in function of environmental conditions	Connector or cable gland in function of environmental conditions	Connector or cable gland in function of environmental conditions	Connector or cable gland in function of environmental conditions
Cable	4 Wires Cable (6 wires if Sense)	4 Wires Cable (6 wires if Sense)	2 Wires Cable	4 Wires / 2 Wires Cable
Total combination of Ui, li and Pi, at power supply and signal output lines	Ui = 28.0V; li = 160mA; Pi = 0.7W; Ci = 0 nF; Li = 0 μH	Ui = 28.0V; li = 160mA; Pi = 0.7W; Ci = 0 nF; Li = 0 μH	Ui = 28.0V; li = 160mA; Pi = 0.7W; Ci = 0 nF; Li = 15.92 μH	Ui = 28.0V; li = 160mA; Pi = 0.7W; Ci = 0 nF; Li = 15.92 μH

Incorporated amendments

The product description includes the following applicable amendments from the previous supporting assessments. Only amendments directly applicable to UKCA certification have been included in this list. The amendments are numbered to include a reference to the variation at which these were introduced.

Amendment 1 – To extend the lower ambient temperature to -55 °C for certain encapsulation materials, as a result an additional condition of manufacturer was introduced.

Amendment 2 – Marking requirements as a result of the appropriate assessment to demonstrate compliance with the requirements of the IEC 60079 series of standards, the standards EN 60079-0:2012 were replaced by EN IEC 60079-0: 2018 respectively, the markings were amended accordingly.



SCHEDULE

UK TYPE EXAMINATION CERTIFICATE

CSAE 22UKEX1396X
Issue 0

14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Reports and Certificate History

Issue	Date	Report number	Comment
0	04 May 2023	R80139286A	The release of the prime certificate.

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

- 15.1 When the apparatus is used in dust atmospheres, connectors, plugs and cable glands used shall have an ingress protection of at least IP6X.
- 15.2 The equipment is not capable of withstanding the 500V dielectric strength requirement in accordance with clause Dielectric strength requirement of EN 60079-11. This shall be taken into account when installing the equipment.
- 15.3 The enclosure of the C6 CARRE amplifier box is manufactured from aluminium. In rare cases, ignition sources due to impact and friction sparks could occur. This shall be considered during installation.

16 ESSENTIAL HEALTH AND SAFETY REQUIREMENTS (REGULATIONS SCHEDULE 1)

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

17 PRODUCTION CONTROL

- 17.1 Holders of this certificate are required to comply with production control requirements defined in Schedule 3A, as applicable, and CSA Group Testing UK Regulations for Certificate Holders.
- 17.2 When the Dowsil encapsulants Type 3140 and 3145 are used in the equipment a lower ambient temperature of -55°C, from -40°C, can be permitted for the equipment.



UK UK
CANI



Certificate Annexe

Certificate Number: CSAE 22UKEX1396X

Product: Options I4, I6, C6 and C6-rond/carre Shear Beam Load Cells

Manufacturer: Sensy S.A.

Issue 0

Drawing	Sheets	Rev.	Date (Stamp)	Title
DT-BET-BOM_Illustration	1 to 3	1	05 Dec 22	Bill of materials (Summary & drawings)
PA-BD49-BFM40-CM18	1 of 1	-	05 Dec 22	SF-BD49-BFM40-CM18
DT-SAQ-ATEX&CSA Bill of materials	1 of 1	3	05 Dec 22	Bill of materials
ET-EXI-Warning LIGHT MATERIAL	1 of 1	1	22 Dec 22	WARNING LABEL FOR POTENTIALLY SPARKING MATERIAL
CI-5000-2001	1 of 1	-	11 Mar 14	Circuit 5000-2001 (Ø 16)
CI-5510-1999	1 of 1	-	11 Mar 14	Circuit 5510-1999
OPTION_C6_CARRE_EX_RDOC	1 of 1	0	22 Dec 22	C6-CARRE option (Ref.Doc)
-	1 of 1	25/06/2012	11 Mar 14	Option C6-rond
-	1 of 1	10/12/2013	11 Mar 14	Control drawing for C6, C6-rond, C6-carre options
-	1 of 1	10/12/2013	11 Mar 14	Control drawing for I4 and I6 Options
-	1 of 1	10/12/2013	11 Mar 14	Double bridge Control drawings
ATEX clearances	1 of 1	1	11 Mar 14	ATEX Clearances
ATEX top clearances	1 of 1	1	11 Mar 14	ATEX Top clearances
ICA5518-908	1 of 1	1	11 Mar 14	Bottom Layer
ICA5118-908	1 of 1	1	11 Mar 14	Bottom Overlay
518-908	1 of 1	1	11 Mar 14	Schematic
518-908	1 of 1	1	11 Mar 14	Top layer
518-908	1 of 1	1	11 Mar 14	Top Overlay
ET-SIRA-UKCA-Exi-LXLg CP-55 VOL SUP 580cm ³	1 of 1	0	22 Dec 22	Ex ia LABEL FOR SENSOR SIRA&UKCA GAS AND DUST LOW TEMP with VOL>580cm ³ . (-55°C ≤ Ta ≤ +60°C & ≥ VOL 580cm ³)
ET-SIRA-UKCA-Exi-LXLg VOL SUP 580cm ³	1 of 1	0	22 Dec 22	Ex ia LABEL FOR SENSOR SIRA&UKCA GAS AND DUST with VOL>580cm ³ (-40°C ≤ Ta ≤ +60°C & ≥ VOL 580cm ³)
ET-IECEX-SIRA-UKCA-Exi-LXLg CP-55 VOL SUP 580cm ³	1 of 1	0	22 Dec 22	Ex ia LABEL FOR SENSOR IECEX&SIRA&UKCA GAS AND DUST LOW TEMP with VOL>580cm ³ (-55°C ≤ Ta ≤ +60°C & ≥ VOL 580cm ³)



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CSA Group Testing UK Ltd., Unit 6 Hawarden Industrial Park, Hawarden, CH5 3US, UK

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QD-1599 Issue 4 (2022-08-22)

Page 1 of 2



Certificate Annexe

Certificate Number: CSAE 22UKEX1396X

Product: Options I4, I6, C6 and C6-rond/carre Shear Beam Load Cells

Manufacturer: Sensy S.A.

Drawing	Sheets	Rev.	Date (Stamp)	Title
ET-IECEX-SIRA-UKCA-Exi-LXLg VOL SUP 580cm ³	1 of 1	0	22 Dec 22	Ex ia LABEL FOR SENSOR IECEX&SIRA&UKCA GAS AND DUST with VOL>580cm ³ (-40°C≤ Ta ≤+60°C & ≥ VOL 580cm ³)
ET-IECEX- SIRA-UKCA-Exi-no DUST	1 of 1	0	10 Mar 23	Ex ia LABEL FOR SENSOR IECEX&SIRA&UKCA GAS (-40°C≤ Ta ≤+60°C & any vol)



UK UK
CANI