



EU Type Examination Certificate CML 17ATEX1052X Issue 6

- 1 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU
- 2 Equipment **Maxum Edition II Gas Chromatograph**
- 3 Manufacturer **Siemens**
- 4 Address 408 US Highway 60
Bartlesville
OK 74003
USA
- 5 The equipment is specified in the description of this certificate and the documents to which it refers.
- 6 CML B.V. , Chamber of Commerce No 6738671, Hoogoorddreef 15, Amsterdam, 1101 BA, The Netherlands, Notified Body Number 2776, 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 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.

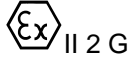
The examination and test results are recorded in the confidential reports listed in Section 12.
- 7 If an 'X' suffix appears after the certificate number, it indicates that the equipment is subject to conditions of safe use (affecting correct installation or safe use). These are specified in Section 14.
- 8 This EU Type Examination certificate relates only to the design and construction of the specified equipment or component. Further requirements of Directive 2014/34/EU Article 13 apply to the manufacture of the equipment or component and are separately certified.
- 9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the confidential report, has been demonstrated through compliance with the following documents:

EN 60079-0:2018	EN 60079-1:2014	EN 60079-2:2014
EN 60079-7:2015+A1:2018	EN 60079-11:2012	EN 60079-15:2018
- 10 The equipment shall be marked with the following:
Refer to the following page for the equipment marking.

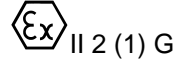


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Air Bath Oven configuration

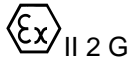


Ex ec ib nC pxb pyb IIB+H₂ *°C Gb
Ex ib pxb IIB+H₂ *°C Gb

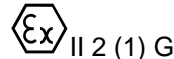


Ex ec ib nC pxb pyb [ia IIC Ga] IIB+H₂ *°C Gb
Ex ib pxb [ia IIC Ga] IIB+H₂ *°C Gb

Airless Oven configuration

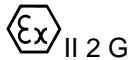


Ex db ec ib nC pyb IIB+H₂ *°C Gb
Ex db ib pxb IIB+H₂ *°C Gb

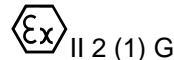


Ex db ec ib nC pyb [ia IIC Ga] IIB+H₂ *°C Gb
Ex db ib pxb [ia IIC Ga] IIB+H₂ *°C Gb

Modular Oven configuration



Ex ec ib nC pyb IIC T4 Gb
Ex ib pxb IIC T4 Gb



Ex ec ib nC pyb [ia Ga] IIC T4 Gb
Ex ib pxb [ia Ga] IIC T4 Gb

Air Bath & Airless Oven configurations

$$-18^{\circ}\text{C} \leq T_a \leq +50^{\circ}\text{C}$$

(Temperature *C dependent on manufacturer's Air Bath Oven or Airless Oven configuration)

Modular Oven configurations

$$-20^{\circ}\text{C} \leq T_a \leq +50^{\circ}\text{C}$$

11 Description

The Maxum Edition II Gas Chromatograph is a chemical composition analyser which has been packaged into a small footprint. The Maxum Edition II Gas Chromatograph is constructed into a single unit which can be mounted near the process activities for ease in sampling operations. The Maxum Edition II Gas Chromatograph consists of 3 main sections: The Electronic Controller compartment, an optional Mezzanine, and an Oven compartment.

The Electronics Compartment is protected through purge-pressurization, with a separately-certified automatic purge control unit and a disconnect and power relay. There are two purging methods available within the Electronics Compartment of the Maxum Edition II Gas Chromatograph:

- Purging without Automatic Purge Unit (APU) in which an alarm is generated when purge pressure is lost and is used for the Ex pyb purge; *and*
- Purging with APU in which the electronic power is disconnected if purge is lost and is used for an Ex pxb purge.

The Electronic Pressure Control (EPC) is located inside the purged Electronics Compartment. The EPC introduces potential flammable gases into the purged Electronics Compartment via a manifold path, proportional valve and pressure sensor. Each Maxum Edition II Gas Chromatograph EPC could have up to 2 channels containing flammable gases and up to 4 EPCs may be installed. Purge/Dilution is required when flammable gas is used with the EPC. The purging is adequate to dilute any release below 25% LEL of the flammable gas.

The Mezzanine, when present, is located between the Electronic Controller compartment and the Oven compartment and contains multiple detectors or methanators.



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The Oven compartment has three arrangement options with three basic oven heater configurations:

- a continuous-airflow option referred to as an air bath; *or*
- a heating-only option referred to as airless; *or*
- a modular heating-only option referred to as modular.

The Oven compartment is a temperature-controlled environment and consists of heaters, detectors and similar apparatus.

The Maxum Edition II Gas Chromatograph may include the following Ex-Components:

Item Description	Manufacturer, p/n	Ex Markings	Ex Certificate	Location
PCBA, SSSI IS Communication Barrier	Siemens. A5E31452847001	Ex nA [ia Ga] IIC T4 Gc -20°C to +90°C	Sira 13ATEX2127U	Electronics compartment

Variation 1

This variation introduces the following modifications:

- To permit additional I.S. barriers inside the electronics enclosure of the Maxum II Gas chromatograph.
- Added Supporting Document A5E43093088 to provide instruction for the installation of Certified IS barriers.
- Updated the reference to the EN 60079-18 standard to reflect the current certificate of the purge controller.

Variation 2

This variation introduces the following modifications:

- The addition of an Intrinsically-Safe TCD option (ISTCD4) as an alternative to the flameproof TCD arrangement
- A new SSSI Power Barrier module (Zone 2 - 002).
- To allow an alternative Zener diode to be used in the TIB Intrinsic safe circuit
- A note was added to the marking section to clarify the Zone 2 coding, the ATEX coding was updated to show the Category 1 output and the EN 60079-18 and EN 60079-14 year reference was corrected.

Variation 3

This variation introduces the following modifications:

- The removal of Ex-Component-certified flameproof detectors (replaced by separately-certified detectors)
- Replacement of the Ex-Component-certified relay used in the electronics compartment
- Extension of the ambient temperature range for the Methanator option.



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Variation 4

This variation introduces the following modifications:

- i. Transfer of the certificate from CML UK to CML B.V.
- ii. The update to the latest edition of the standard EN 60079-0.
- iii. Removal of reference to unnecessary components.
- iv. The optional addition of the Maxum II Modular Oven 7KQ3118-6xxxx-xxxx-Z configuration.
- v. The replacement of reference to Level of Protection pzc with Level of Protection pyb.
- vi. Minor editorial drawing changes.

12 Certificate history and evaluation reports

Issue	Date	Associated report	Notes
0	16 Aug 2017	R2237A/00	Issue of the prime certificate
1	10 Oct 2017	R21020A/00	Introduction of Variation 1
2	17 Oct 2017	R21020A/00	Update certificate formatting
3	27 Feb 2018	R21020A/01	Clarification of temperature class
4	30 May 2018	R21034A/00	Introduction of Variation 2
5	12 Nov 2018	R21051A/00	Introduction of Variation 3
6	27 Mar 2019	R12099A/00	Introduction of Variation 4

Note: Drawings that describe the equipment or component are listed in the Annex.

13 Conditions of manufacture

The following conditions are required of the manufacturing process for compliance with the certification.

- i. Where the product incorporates certified parts or safety critical components the manufacturer shall ensure that any changes to those parts or components do not affect the compliance of the certified product that is the subject of this certificate.
- ii. The Maxum Edition II Gas Chromatograph is to be designed in accordance with general electrical safety standards e.g. IEC 60950 or IEC 61010-1.
- iii. Each Maxum Edition II Gas Chromatograph unit shall be subjected to a routine electric strength test of 2,100 V dc in accordance with clause 6.1 of EN 60079-7:2015
- iv. Each Maxum Edition II Gas Chromatograph unit shall be subjected to the following routine tests in accordance with clause 17 of EN 60079-2:2014.
 - Functional Test (clause 17.1)
 - Leakage Test (clause 17.2)
 - Overpressure test for a containment system with a limited release (clause 17.4)



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- v A total of eight (8) intrinsically safe (I.S.) barriers may be included in the Electronic Compartment of the Maxum Edition II Gas Chromatograph provided each meets the following requirements:
 - Only a single 24 Vdc power supply is used for all isolation barriers
 - Each barrier is certified for use in a Zone 2 area with an EPL of Gc
 - Each barrier provides I.S. outputs and is marked as associated apparatus [Ex ia IIC Ga].
- vi The internal cables used for the I.S. circuits shall meet the requirements of EN 60079-14:2014, clause 16.2.2 (minimum conductor diameter is 0.1 mm and minimum radial insulation thickness is 0.1 mm and effectively protected against mechanical damage). Cables complying with the requirements for Type A or Type B cable construction may be used for carrying more than one I.S. circuit.
- vii The clearance distances between the bare conducting parts of separate I.S. circuits shall be at least 6 mm as described in EN 60079-14:2014, clause 16.5.3.
- viii The clearance distances between the bare conductive parts of I.S. and non-I.S. circuits shall be at least 50 mm or as defined in EN 60079-11, or in compliance with the requirements as specified in EN 60079-14:2014, clause 16.5.4.
- ix The clearance distances between the bare conducting parts each I.S. circuit and any earthed parts shall be at least 3 mm as specified in EN 60079-14:2014, clause 16.5.1.

14 Specific Conditions of Use (Special Conditions)

The following conditions relate to safe installation and/or use of the equipment.

- i The Maxum Edition II Gas Chromatograph shall be fitted with cable glands or conduit entries having an IP 54 minimum rating.
- ii The end user is reminded to verify the Entity Parameters for each I.S. circuit by consulting the Ex certificate and completing the loop analysis as described in EN 60079-14:2014, clause 16.2.4.
- iii The Maxum Edition II Gas Chromatograph contains shunt Zener diode interfaces that are connected to the external earthing stud. This shall be connected to a suitable intrinsically safe earth in accordance with EN 60079-14:2014 clause 16.2.3.



Certificate Annex

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Equipment Maxum Edition II Gas Chromatograph
Manufacturer Siemens

The following documents describe the equipment or component defined in this certificate:

Issue 0

Item	Drawing No	Sheets	Rev	Approved date	Title
Base configuration and related					
1	2021183 AD	1 to 11	63	16 Aug 2017	ENCLOSURE, EC/OVEN BASE ASSY
2	2017788 AD	1 to 2	13	16 Aug 2017	MODULE, SOLID STATE RELAY/HEATSINK
3	A5E41895195A	1 to 2	1	16 Aug 2017	MODULE, PURGE CONTROL ASSY
4	2021828-AD	1 of 1	53	16 Aug 2017	PECM, ASSY W/TEMP/SVCM CONTROL
5	2021789-AD	1 of 1	52	16 Aug 2017	PCBA, PECM SSR BOARD
6	2021789-SC	1 to 2	51	16 Aug 2017	PCBA, PECM SSR BOARD
7	A5E02645922 AD	1 of 1	4	16 Aug 2017	PCBA, PECM CTRL BOARD, V3 MAXIUM II
8	A5E02645922 SC	1 to 9	3	16 Aug 2017	PCBA, PECM CTRL BOARD
9	2021371	1 of 1	AB	16 Aug 2017	PLUG, AIRLESS HEATER RETAINER
10	1621004	1 of 1	AF	16 Aug 2017	COMPONENT SPECIFICATION HEATER, ASSEMBLY AIRLESS, CARTRIDGE
11	A5E02357997	1 of 1	2	16 Aug 2017	FD, RESTRICTOR TIME DELAY, AIR BATH HEATER
12	2021769	1 or 12	AB	16 Aug 2017	ASSY, MWH SSR MODULE
13	2021767 AD	1 of 1	AC	16 Aug 2017	ASSEMBLY DRAWING MWH SSR MODULE PCBA
14	2021767 SC	1 of 1	AA	16 Aug 2017	SCHEMATIC SSA MODULE, MWH
Air bath configuration and related					
15	2021540 AD	1 to 3	56	16 Aug 2017	AIR BATH OVEN, SINGLE ISOTHERMAL, F/CIM
16	2021541 AD	1 to 4	58	16 Aug 2017	AIR BATH OVEN, SPLIT ISOTHERMAL, F/CIM
17	2021542 AD	1 to 5	58	16 Aug 2017	ISOTHERMAL & PTGC OVEN (AIR BATH), F/CIM



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Item	Drawing No	Sheets	Rev	Approved date	Title
18	2021543 AD	1 to 3	58	16 Aug 2017	AIR BATH OVEN, ISOTHERMAL W/VORTEX, F/CIM
19	2021544 AD	1 to 4	61	16 Aug 2017	AIR BATH OVEN, SPLIT ISOT., W/VORTEX, F/CIM
20	2021545 AD	1 to 5	59	16 Aug 2017	AIR BATH OVEN, ISOTHERMAL & PTGC W/VORTEX, F/CIM
21	2021284 AD	1 of 1	57	16 Aug 2017	HEATER, AIR BATH
22	2021680 AD	1 to 2	53	16 Aug 2017	ASSY, PTGC
Purging configuration and related					
23	2021550 AD	1 of 4	58	16 Aug 2017	INSTALLATION PACKAGE, AREA RATING
24	A5E3581836001A	1 of 1	1	16 Aug 2017	TAG, CLASS I, EN, FR
25	2021221-FD	1 of 1	1	16 Aug 2017	TAG, EPC WARNING
26	A5E42414991A	1 of 1	2	16 Aug 2017	TAG, MAXUM II, ANALYZER RATING, ATEX
27	A5E42427803A	1 of 1	1	16 Aug 2017	TAG, PURGE WARNING, DIV 1, ZN 1, EN, FR
Detectors and methanator					
28	2021925	1 of 1	52	16 Aug 2017	FID IGNITOR ASSEMBLY
29	2021926 AD	1 of 1	AC	16 Aug 2017	FID IGNITOR BOARD
30	2021926 SC	1 of 1	AA	16 Aug 2017	FID IGNITOR BOARD
31	2021872	1 of 1	52	16 Aug 2017	CERTIFICATION DWG, FPD
32	2021840 AD	1 of 1	54	16 Aug 2017	ASSEMBLY, METHANATOR 2
33	2021005 AD	1 of 1	52	16 Aug 2017	HEATER BLOCK MODULE, 115V, LIV
Additional electronics in the purged EC					
34	A5E33631681	1 of 4	5	16 Aug 2017	TOUCH SCREEN ASSEMBLY, LCD, TIB
35	A5E31993951 AD	1 of 2	2	16 Aug 2017	PCBA, TIB (Touchscreen Interface Board)
36	A5E31993951 SC	1 of 3	3	16 Aug 2017	PCBA, TIB (Touchscreen Interface Board)
37	A5E31993951 TR	1 of 7	3	16 Aug 2017	PCBA, TIB (Touchscreen Interface Board)



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Item	Drawing No	Sheets	Rev	Approved date	Title
38	2015951	1 of 1	52	16 Aug 2017	MODULE, EPC W/MANIFOLD
39	2015955	1 of 1	52	16 Aug 2017	MANIFOLD, SOLENOID/PCB, EPC
40	A5E02645924 AD	1 of 1	2	16 Aug 2017	ELECTRONIC PRESSURE CONTROLLER PCBA,
41	A5E02645924 SC	1 to 4	2	16 Aug 2017	PCBA, EPC3, WITH ID SELECT SWITCH
42	2015956-FD	1 to 2	56	16 Aug 2017	MANIFOLD, BULKHEAD, EPC W/CAPILLARY TUBING
43	A5E31994086 AD	1 of 1	1	16 Aug 2017	PCBA, SYSCON INTERFACE BOARD, V3 (SIB3)
44	A5E31994086 SC	1 to 22	2	16 Aug 2017	PCBA, SYSCON INTERFACE BOARD, V3 (SIB3)
45	2021982 SC	1 to 10	4	16 Aug 2017	COMMUNICATIION ANALYTICAL CONTROL, PCBA (CAC3)
46	A5E02368691 AD	1 of 1	1	16 Aug 2017	PCBA, ETHERNET SWITCH, SYSCON2
47	A5E02368691 SC	1 of 1	2	16 Aug 2017	PCBA, ETHERNET SWITCH, SYSCON2
48	A5E02555919 AD	1 of 1	AA	16 Aug 2017	PCBA, ETHERNET SW BD W/FIBER(ESBF)100BASE
49	A5E02555919 SC	1 of 1	2	16 Aug 2017	PCBA, ETHERNET SW BD W/FIBER(ESBF)100BASE
50	A5E02486267 SC	1 of 6	2	16 Aug 2017	PCBA, AIO_I2C
51	A5E02486268 SC	1 of 4	2	16 Aug 2017	PCBA, DIO_I2C
52	A5E31227434A	1 of 3	6	16 Aug 2017	INSTALLATION PACKAGE, TOUCH SCREEN MAXUM II
53	A5E02359491 SC	1 to 7	2	16 Aug 2017	PCBA, ADIO_I2C
54	A5E02645923 AD	1 to 3	8	16 Aug 2017	PCBA, THERMISTOR DPM, INTRINSICALLY SAFE, ISTCD3
55	A5E02645923 SC	1 to 7	4	16 Aug 2017	PCBA, THERMISTOR DPM, INTRINSICALLY SAFE ISTCD3,
56	A5E02645925 AD	1 to 2	3	16 Aug 2017	PCBA, BASE DETECTOR PERSONALITY MODULE V3 MAXION II DPM



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Item	Drawing No	Sheets	Rev	Approved date	Title
57	A5E02645925 SC	1 to 11	5	16 Aug 2017	PCBA, BASE DETECTOR PERSONALITY MODULE V3 MAXION II DPM
58	2020960 AD	1 of 1	AE	16 Aug 2017	MEZZSMOMR ELECTROMETER PCBA (FID)
59	2020960 SC	1 of 1	AD	16 Aug 2017	MEZZSMOMR ELECTROMETER PCBA (FID)
60	2021328 AD	1 of 1	AB	16 Aug 2017	Mezzanine, FPD ELECTROMETER POSITIVE CURRENT INPUT PCBA
61	2021328 SC	1 of 1	AD	16 Aug 2017	SCHEMATIC MEZZANINE FPD ELECTROMETER, POSITIVE CURRENT INPUT
62	2021326 AD	1 of 1	AA	16 Aug 2017	ANALOG VOLTAGE INPUT AT, AI MEZZANINE PCBA
63	2021326 SC	1 of 1	AA	16 Aug 2017	SCHEMATIC, MEZZANINE ANALOG VOLTAGE INPUT (AI MEZZ)
64	A5E35956261	1 to 3	2	16 Aug 2017	ASSEMBLY, SSSI POWER BARRIER, I.S.
65	A5E41714559A	1 to 3	1	16 Aug 2017	COVER, TIB
66	A5E31291585A	1 of 1	1	16 Aug 2017	GASKET, DOOR ENCLOSURE
67	A5E03466797	1 of 1	14	16 Aug 2017	DOOR ASSEMBLY, ENCLOSURE, f/CIM MAXUM ii, MODULAR OVEN
68	A5E03467986	1 of 4	14	16 Aug 2017	TOUCH SCREEN ASSEMBLY, LCD
69	FID Drawings	1 of 17	-	16 Aug 2017	FID Assembly Drawings
70	2 Cell Drawings	1 of 5	-	16 Aug 2017	2 Cell Assembly Drawings
71	8 Cell Drawings	1 of 10	-	16 Aug 2017	8 Cell Assembly Drawings

Issue 1

Supporting Document on installation of Barrier

Document No.	Sheets	Rev	Approved date	Title
A5E43093088	1 of 1	-	10 Oct 2017	Application Information Document Install, 3 rd Party Barrier



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Issue 2

No document changes or additions.

Issue 3

No document changes or additions.

Issue 4

Document No.	Sheets	Rev	Approved date	Title
A5E44722658A	1 to 2	01	30 May 2018	Cert Drawing, TCD Install Assembly Drawing
A5E43267455A	1 to 2	01	30 May 2018	Assembly, Thermistor DPM, ISTCD4 Assembly Drawing
A5E43267455A	1 to 2	01	30 May 2018	Assembly, Thermistor DPM, ISTCD4 Assembly Parts List Drawing
A5E37152582	1 to 9	01	30 May 2018	Schematic Thermistor DPM Intrinsically Safe (ISTCD4)
A5E37152582	1 to 9	01	30 May 2018	PCBA, Thermistor DPM Intrinsically Safe (ISTCD4) Parts List
A5E37152582000B	1 of 1	01	30 May 2018	PCBA, Thermistor DPM Intrinsically Safe (ISTCD4) Assembly Drawing
A5E35545020A	1 of 1	03	30 May 2018	PCBA, PWR, BD-SSSI PWR Barrier, IS Assembly Drawing
A5E5545020	1 to 2	04	30 May 2018	Schematic Power BD, SSSI Power Converter
A5E5545020	1 to 4	04	30 May 2018	Parts List for PCBA, PWR BD-SSSI PWR Barrier (002 Assembly)
A5E359526261000A	3 of 3	02	30 May 2018	Assembly, SSSI Power Barrier Assembly Drawing - 002 Assembly Only
A5E35956261	1 to 3	04	30 May 2018	Parts List for Assembly, SSSI Power Barrier - 002 Only



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Issue 5

Drawing No	Sheets	Rev	Approved date	Title
2021550 AD	1 to 5	062	12 Nov 2018	INSTALLATION PACKAGE, AREA RATING, Assembly Drawing
A5E45974277A	1 to 2	001	12 Nov 2018	TAG, RATING, ATEX/IECEx, Fabrication Drawing
A5E31452847	1 to 2	03	12 Nov 2018	Parts list for PCBA, SSSI Communications Barrier
A5E32283063	1 to 4	02	12 Nov 2018	Intrinsic Safety Control Drawing: SSSI Communications IS Barrier
A5E36207340A	1 of 1	002	12 Nov 2018	Label, SSSI IS Communication Barrier, Artwork
A5E31452847E	1 to 3	005	12 Nov 2018	PCBA, SSSI IS Communication Barrier, Assembly Drawing
A5E03936554	1 of 1	01	12 Nov 2018	Fabrication Drawing, Potting Box, IS Barrier Maxum II
A5E31452847SC	1 of 1	01	12 Nov 2018	Schematic, SSSI IS Communication Barrier

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Drawing No	Sheets	Rev	Approved date	Title
2021183 AD	1 to 11	067	27 Mar 2019	Enclosure, EC/Oven Base Assy
2017788 AD	1 to 2	015	27 Mar 2019	Module, Solid State Relay/Heatsink
A5E41895195A	1 to 2	005	27 Mar 2019	Module, Purge Control Assy
2021371-FD	1 of 1	010	27 Mar 2019	Plug, Airless Heater Retainer
1621004-013-CS	1 of 1	011	27 Mar 2019	Component Specification Heater, Assembly Airless, Cartridge
2021542 AD	1 to 5	059	27 Mar 2019	Isothermal & PTGC Oven (Air bath), F/CIM
2021545 AD	1 to 5	060	27 Mar 2019	Air Bath Oven, Isothermal & PTGC W/Vortex, F/CIM
2021680 AD	1 to 2	054	27 Mar 2019	Assy, PTGC
2021550 AD	1 to 5	063	27 Mar 2019	Installation Package, Area Rating
2021221-FD	1 of 1	052	27 Mar 2019	Tag, EPC Warning
2015951	1 of 1	056	27 Mar 2019	Module, EPC W/Manifold



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Drawing No	Sheets	Rev	Approved date	Title
A5E45974277A	1 to 2	003	27 Mar 2019	Tag, Rating, ATEX/IECEX, Fabrication Drawing
2015955	1 of 1	53	27 Mar 2019	Manifold, Solenoid/PCB, EPC
A5E03467986A	1 of 4	015	27 Mar 2019	Touch Screen Assembly, LCD
2015944	1 of 1	AB	27 Mar 2019	Gasket, Electronic Pressure Control
2017506	1 to 2	52	27 Mar 2019	Cable, 12C, DPM Number 1
2015942-FD	1 of 1	006	27 Mar 2019	Gasket, Conduit Entry Covers
2017660-AD	1 of 1	054	27 Mar 2019	Valve, 10 Port, Model 50
20177792	1 to 2	51	27 Mar 2019	Module, Purge Control Assembly (PCM)
2020939	1 of 1	AG	27 Mar 2019	Advance Network Communications Board PCBA
2020939	1 to 8	AI	27 Mar 2019	Advance Network Communication Board PCBA Parts List
2020939	1 to 8	AD	27 Mar 2019	Advance Network Communication Board PCBA Schematic
2021757	1 of 1	52	27 Mar 2019	Cable, 12 C Module Maxum II
2021823	1 of 1	52	27 Mar 2019	Cable, PECM to Solenoid Valve, SWC Maxum II
2021837	1 of 1	52	27 Mar 2019	Cable, Max II, 24 V Power PECM to WDB Maxum II
A5E02903938	1 of 1	01	27 Mar 2019	Cover, Single Module Maxum II, Modular Oven
A5E02912187	1 of 1	03	27 Mar 2019	Cable, NESSI IS Barrier to SIB
A5E03251957B	1 to 2	007	27 Mar 2019	PCBA, CIMBASE, Cont. I/F Module Base BD
A5E03251957	1 to 13	11	27 Mar 2019	PCBA, CIMBASE, Cont. I/F Module Base BD Parts List
A5E03251957	1 to 13	04	27 Mar 2019	Controller Interfac Module Bas Board PCBA (CIMBASE) Schematic
A5E03255642	1 of 1	02	27 Mar 2019	Heater Block, Small Oven Maxum II, Modular Oven
A5E03255643A	1 to 7	042	27 Mar 2019	AD, Oven Assembly, Small, Vapor
A5E03340855	1 of 1	05	27 Mar 2019	Cable, LCD Display to CIM
A5E03340858	1 of 1	02	27 Mar 2019	Cable LED Backlight to CIM Maxum II, Modular Oven



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Drawing No	Sheets	Rev	Approved date	Title
A5E03354493A	1 to 2	03	27 Mar 2019	Cover, Double Module
A5E03354495	1 of 1	02	27 Mar 2019	Heater Block, Large Oven Maxum II, Modular Oven
A5E03354498A	1 to 8	042	27 Mar 2019	Oven Assembly, Large Vapor
A5E03354501	1 of 1	02	27 Mar 2019	Block, Epic Union Maxum II, Modular Oven
A5E03354504	1 of 1	08	27 Mar 2019	Plate, Support Large Oven Maxum II, Modular Oven
A5E03354512A	1 to 7	08	27 Mar 2019	FD, Enclosure Electronic Maxum II Modular Oven
A5E03410855	1 to 2	21	27 Mar 2019	Bracket Assembly CIM Maxum II, Modular Oven
A5E03417683A	1 of 1	013	27 Mar 2019	Door Assembly, Enclosure, Electronic
A5E03417684	1 of 1	11	27 Mar 2019	Door, Enclosure, Electronic
A5E0348706	1 of 1	02	27 Mar 2019	Door Assembly, Oven Area Maxum II, Modular Oven
A5E03438707	1 of 1	05	27 Mar 2019	Door, Oven Area Maxum II, Modular Oven
A5E03439838A	1 to 3	018	27 Mar 2019	Cover, Top, PCBA, Thermistor DPM
A5E03439839	1 to 2	13	27 Mar 2019	Cover, Bottom, PCBA, Thermistor DPM V3 Intrinsically Safe, (IS TCD3)
A5E03467983	1 to 9	03	27 Mar 2019	Power Entry Control Module, DC (PECM-DC) Schematic
A5E03504073A	1 to 3	005	27 Mar 2019	Enclosure, Regulator Housing Maxum II, Modular Oven
A5E03510725	1 of 1	02	27 Mar 2019	Cover, Back, Oven Area Maxum II, Modular Oven
A5E03617153	1 of 1	02	27 Mar 2019	Wire Harness, Analytical Module Maxum II, Modular Oven
A5E03639764	1 of 1	10	27 Mar 2019	Harness Wiring Thermistor Maxum II Modular oven
A5E03646057	1 of 1	08	27 Mar 2019	Envelope Assembly, Maxum II Modular Oven
A5E03650207A	1 of 1	12	27 Mar 2019	Base Assembly, Maxum II, Modular Oven
A5E03664611	1 of 1	08	27 Mar 2019	Cable, Purge, PECM to CIM
A5E03676623A	1 to 9	010	27 Mar 2019	Installation, Power Supply, Purge



Certificate Annex

Certificate Number CML 17ATEX1052X
Equipment Maxum Edition II Gas Chromatograph
Manufacturer Siemens

Drawing No	Sheets	Rev	Approved date	Title
A5E0676623	1 to 13	05	27 Mar 2019	Installation, Power Supply, Purge Maxum II, Modular Oven Parts List
A5E03678181A	1 to 4	004	27 Mar 2019	Plat, Purge Manifold
A5E03679139A	1 to 2	004	27 Mar 2019	Cable, Power, 24 V DC
A5E03681565	1 of 1	04	27 Mar 2019	Plate, Dummy, Oven, Maxum II, Modular Oven
A5E03707384	1 of 1	01	27 Mar 2019	Cable, Main Power Supply-SSSI PWR Maxum II, Modular Oven
A5E037143088	1 of 1	007	27 Mar 2019	Tag EC/Analyzer Rating Maxum II Modular Oven
A5E03721869	1 of 1	02	27 Mar 2019	Cable, PECM to Solenoid Valve, 300 mm, 2-STA Maxum II, Modular Oven
A5E03721906	1 to 3	11	27 Mar 2019	Installation, Small Oven Maxum II, Modular Oven
A5E03723075A	1 to 5	013	27 Mar 2019	Installation, Large Oven
A5E03740800	1 of 1	01	27 Mar 2019	Harness Wiring, Press SW-EPC Maxum II, Modular oven
A5E03746922	1 of 1	01	27 Mar 2019	Angle, LCD Support Maxum II, Modular Oven
A5E03752091A	1 to 5	007	27 Mar 2019	Assembly, Insulator, Large Oven
A5E03752093	1 to 3	06	27 Mar 2019	Assembly, Installation, Small Oven Maxum II, Modular Oven
A5E03756219	1 of 1	04	27 Mar 2019	Tube, Teflon, 375 OD, Chamfered Maxum II, Modular Oven
A5E03756220	1 of 1	07	27 Mar 2019	Tube, Teflon 6 mm OD, Chamfered Maxum II, Modular Oven
A5E03756221	1 of 1	04	27 Mar 2019	Tube, SST, 375 OD, Chamfered Maxum II, Modular Oven
A5E03765673	1 of 1	03	27 Mar 2019	Clamp Base, Vent Tube, Large Oven Maxum II, Modular Oven
A5E03765674	1 of 1	03	27 Mar 2019	Clamp Cover, Vent Tubes, Large Oven Maxum II Modular Oven
A5E03785046A	1 of 1	007	27 Mar 2019	Cable, Ground
A5E03790944	1 of 1	05	27 Mar 2019	Restrictors, Crimped Tube Maxum II, Modular Oven



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Certificate Number CML 17ATEX1052X
Equipment Maxum Edition II Gas Chromatograph
Manufacturer Siemens

Drawing No	Sheets	Rev	Approved date	Title
A5E03795607	1 of 1	01	27 Mar 2019	Cable, EPC 12C Module, 3-STA Maxum II, Modular Oven
A5E31366043A	1 to 8	003	27 Mar 2019	Tag, Hazardous Locations Warning Maxum II, Modular Oven
A5E31366045	1 to 8	02	27 Mar 2019	Tag, EPC Warning
A5E313685160	1 to 2	01	27 Mar 2019	PCBA, 24 V I/O Expansion, Maxum II, Modular Oven Parts List
A5E313685160	1 to 4	01	27 Mar 2019	24 V I/O Expansion Board PCBA Schematic
A5E33503081	1 of 1	01	27 Mar 2019	Gasket Door Enclosure, 2-Piece Maxum II, Modular Oven
A5E35089414	1 to 4	02	27 Mar 2019	Installation I/O Board Maxum II, Modular Oven
A5E35545020A	1 of 1	003	27 Mar 2019	PCBA, PWR, BD-SSSI PWR Barrier, IS
A5E35545020	1 to 4	04	27 Mar 2019	PCBA, PWR BD-SSSI PWR Barrier Parts List
A5E35545020	1 to 2	04	27 Mar 2019	Power BD, SSSI Power Converter Schematic
A5E36485973A	1 of 1	003	27 Mar 2019	Tag, Purge Warning, Div 1 (MMO)
A5E03606147	1 of 1	12	27 Mar 2019	Blocking Assembly Maxum II, Modular Oven
A5E03607125	1 to 2	15	27 Mar 2019	Single Vapor Module Maxum II, Modular Oven
A5E03628292	1 of 1	08	27 Mar 2019	Gasket Ovens Maxum II, Modular Oven
A5E35089414000A	1 to 5	001	27 Mar 2019	Installation I/O Board
A5E35817010001A	1 of 1	001	27 Mar 2019	Tag, Class I, Div 1 & 2, EN FR