



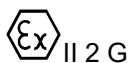
Type Examination Certificate **CML 17ATEX4045X Issue 2**

- 1 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU
- 2 Equipment **Intellinova Parallel En Ex**
- 3 Manufacturer **SPM Instruments AB**
- 4 Address **Finningevägen 71,
645 42 Strängnäs, Sweden**
- 5 The equipment is specified in the description of this certificate and the documents to which it refers.
- 6 Certification Management Limited, Unit 1 Newport Business Park, New Port Road, Ellesmere Port CH65 4LZ, UK, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design of equipment intended for use in potentially explosive atmospheres given in Annex II of Directive 2014/34/EU.
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 certification (affecting correct installation or safe use). These are specified in Section 14.
- 8 This Type Examination certificate relates only to the design and construction of the specified equipment or component. Further requirements of Directive 2014/34/EU Annex VIII apply to the manufacture of the equipment or component.
- 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 60079-0:2012+A11:2013 EN 60079-11:2012* EN 60079-15:2010
EN 60079-31:2014

* EN 60079-11 is included for reference due to the use of certified intrinsically safe parts.

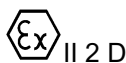
- 10 The equipment shall be marked with the following:



II 2 G

Ex nR [ia Ga] IIC T4 Gc

Ta: -20°C to +60°C



II 2 D

Ex tc [ia Da] IIIC T85°C Dc

Ta: -20°C to +60°C

R C Marshall
Certification Officer



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11 Description

The Intellinova Parallel En Ex is a measuring unit that is designed for the continuous monitoring of the condition of machines.

The Intellinova Parallel En Ex comprises a restricted breathing and a dust tight enclosure being either:

18012 Enclosure (Material 304)	KEL 9405.600 (600 x 600 x 210) with silicone seal	PTB 02ATEX1082U Ex e IIC Gb Ex tD IIIC Db P66 Alternatively Ex eb IIC Ex tb IIIC IP66 Tamb -30 °C to +80 °C	IECEX PTB 09.0035U Ex e IIC Gb Ex tb IIIC Db IP66 Alternatively Ex eb IIC Ex tb IIIC IP66 Tamb -30 °C to +80 °C
18029 Enclosure (Material 319L)	KEL 9405.500 (600 x 600 x 210) with silicone seal	PTB 02ATEX1082U (see above)	IECEX PTB 09.0035U (see above)

The enclosure is intended for wall mounting but may be orientated in either a vertical or horizontal orientation.

These can contain approved items of electrical equipment:

Models	No.(Max)	No. (Min)
90632 Power Supply 24Vdc 60W	1	1
90477 Power Supply 12Vdc 18W	1	0
INCEN16 Measuring Instrument	1	1
17310 Ex Interface	16	0
15805 Key Phasor Interface	8	0
17999 Key Phasor Interface	4	0
83234 AI Ex Interface	12	0
83180 DIO Ex Interface	4	0
83264 Ethernet Switch Fiber Optic	1	0
83263 Ethernet Switch	1	0
90432 Signalling Relay	1	0
Ex NAMUR Signal Amplifier	8	0
90595 WLAN Modem (maximum input power 10W and maximum transmitter power of 100mW)	1	0
90598 WLAN Antenna (external to enclosure)	1	0

Where the intrinsically safe items are covered by the following certificates:



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Equipment	Type	Code	ATEX	IECEX
17310 Ex Interface	1731x	[Ex ia Ga] IIC [Ex ia Da] IIIC Ex nA [ia Ga] IIC T4 Gc	CML 14ATEX2077X and CML 14ATEX4078X	IECEX CML 14.0031X
83234 AI Ex Interface	MTL 7787+	[Ex ia Ga] IIC [Ex ia Da] IIIC	BAS01ATEX7217	IECEXBAS040025
83180 DIO Ex Interface	MTL 7787+	[Ex ia Ga] IIC [Ex ia Da] IIIC	BAS01ATEX7217	IECEXBAS040025
93538 Signalling Relay	MACX MCR-EX- SL- NAM-2T	[Ex ia Ga] IIC [Ex ia Da] IIIC Ex nA IIC T4 Gc	IBExU12ATEX116 9	IECEX IBE 12.018X

The enclosure is intended for wall mounting but may be orientated in either a vertical or horizontal orientation.

The entry into the enclosure is to be made via suitably certified cable glands.

12 Certificate history and evaluation Reports

Issue	Date	Associated report	Notes
0	14 Jul 2017	R1999A/00	Report for the prime certificate issue.
1	13 Sep 2017	R11316A/00	Introduction of Variation 1
2	11 Oct 2018	R11856A/00	Introduction of Variation 2

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



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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 equipment shall be designed in accordance with general electrical safety standards, e.g. EN 60950 or EN 61010-1
- iii. The installation of intrinsically safe apparatus shall be in accordance with EN 60079-11 or EN 60079-14.
- iv. The enclosure may be fitted with any suitably certified cable glands meeting the requirements of IP66.
 - When used in an ATEX context, these glands must be ATEX certified.
 - The correct sized cable is to be fitted.
 - This arrangement must be factory fitted and a routine restricted breathing test is to be performed in accordance with IEC 60079-15:2010 section 23.2.3.
 - In the event that a cable gland is not fitted, the aperture must be filled with an appropriate blanking plug, prior to testing.

14 Specific Conditions of Use (Special Conditions)

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

- i. The equipment shall not be opened, maintained or serviced in an area where an explosive atmosphere may be present.
- ii. It shall be ensured that the door is correctly tightened when closed.
- iii. Under certain extreme circumstances, the non-metallic parts i.e. the external antenna, incorporated in the enclosure of this equipment may generate an ignition-capable level of electrostatic charge. Therefore, the equipment shall not be installed in a location where the external conditions are conducive to the build-up of electrostatic charge on such surfaces. In addition, the equipment shall only be cleaned with a damp cloth.

Certificate Annex

Certificate Number CML 17ATEX4045X
Equipment Intellinova Parallel EN Ex
Manufacturer SPM Instruments AB



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

Issue 0

Drawing No	Sheets	Rev	Approved date	Title
74019-DL	1 of 1	0	14 Jul 2017	Intellinova Parallel EN Ex NSEN16 Ex Drawing List
74019-AD	1 to 2	0	14 Jul 2017	INSEN16 Ex Intellinova Parallel EN Ex Assembly Drawing
74019-PL	1 to 2	0	14 Jul 2017	Parts List Intellinova Parallel EN Ex
74020	1 of 1	0	14 Jul 2017	INSEN16 Ex Intellinova Parallel EN Ex Label Ex
17362-001	1 of 1	1	14 Jul 2017	Warning Label Ex INSxx Ex
17522-001	1 of 1	1	14 Jul 2017	Warning Label Ex 'Closed' INSxx Ex

Issue 1

Drawing No	Sheets	Rev	Approved date	Title
74019-AD	1 to 2	1	13 Sep 2017	Intellinova Parallel EN Ex INSEN16 Ex Assembly Drawing
74019-PL	1 & 2	1	13 Sep 2017	Intellinova Parallel EN Ex INSEN16 Ex Parts List
74019-DL	1	1	13 Sep 2017	Drawing List Intellinova Parallel EN Ex INSEN16 Ex

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Drawing No.	Sheets	Rev	Approved date	Title
74019	1 of 1	002	11 Oct 2018	Drawing List
74019	1 of 1	002	11 Oct 2018	Parts List