



INSTRUCTIONS FOR SAFE USE

INTRINSICALLY SAFE

FL4725 WORKLIGHT FL4700 LANTERN







RUGGED AUTHORITY

www.cord-ex.com

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READ THIS FIRST

The CorDEX Instruments FL47xx Intrinsically Safe Portable Lighting is a LED hand-held lantern and transportable floodlight for use in potentially hazardous (explosive) atmospheres. Read and understand all warnings and cautions before using this product.

Safety information

This instruction manual contains information and warnings that must be observed for safe operation under the conditions described.

Faults and damage

If there are any grounds to believe the unit is no longer safe to use, it must be taken out of service and measures taken to prevent its further unintentional use.

The safety of the device may be impaired if for example:

External damage to the unit is visible.

The device has not been stored correctly.

The unit has suffered transport damage.

Safety regulations

When using the FL47xx Intrinsically Safe Portable Lighting the appropriate regulations must be observed to avoid incorrect operation of the device.

ATTENTION! ENSURE THAT THE CASE IS SECURELY FASTENED WHEN USING THE DEVICE.

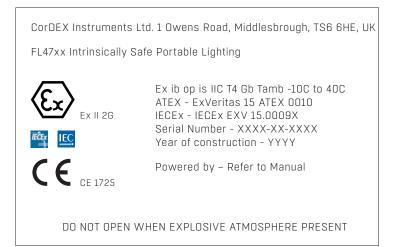
Special Conditions of Safe Use

Only the EXIS battery pack can be used.

Do not charge in hazardous areas.

CorDEX

LABELLING



OPERATIONAL CAUTIONS

The cautions in this section do not relate specifically to safe use in hazardous area applications but should be followed to prevent damage to the device or personnel:

- Keep out of reach of children.
- The FL47xx Intrinsically Safe Portable Lighting is a precision tool. Do not drop it, strike it or cause excessive force when handling.

Maintenance

For safety critical maintenance, please refer to EN6007017.

EC DECLARATION OF CONFORMITY

CorDEX

CorDEX Instruments Ltd Unit 1, Owens Road Skippers Lane Industrial Estate, MIDDLESBROUGH, TS6 6HE

Declaration No. SOM14

EC Declaration of Conformity in accordance with EEC ATEX Directive 94/9/EC

We,

CorDEX Instruments Ltd.

Hereby declare that the products described below

Product: Intrinsically Safe Portable Lighting Model: FL47xx

are in conformity with the essential health and safety requirements of Council Directive 94/9/EC relating to equipment intended for use in potentially hazardous atmospheres (ATEX Directive) Ex II 2G, Ex ib op is IIC T4 Gb, Tamb-10C to 40C equipment by the application of the following standards:

EN 60079- Explosive atmospheres - Part 0: Equipment - General 0:2012+A11:2013 requirements

EN 60079-11:2012 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "!"

as certified by Notified Body Number 0518, ExVeritas Ltd. by EC-Type Examination Certificate ExVeritas 15 ATEX 0010 X and IECEx Certificate; IECEx EXV 15.0009X and are subject to the procedures set out in Annex VII of Directive 94/9/EC and these procedures are in conformity with the requirements of EN80079-34 under the supervision of Notified Body Number 0518, SIRA Certification Ltd Unit 6, Hawarden Industrial Park, Hawarden, Deeside, CH5 3US.

It is ensured though internal measures that the products conform at all times to the requirements of the current EEC Directives and relevant standards.

Alala Authorised Person Signature:

Position: Manging Director on behalf of CorDEX Instruments Ltd

Date: 01/12/2015

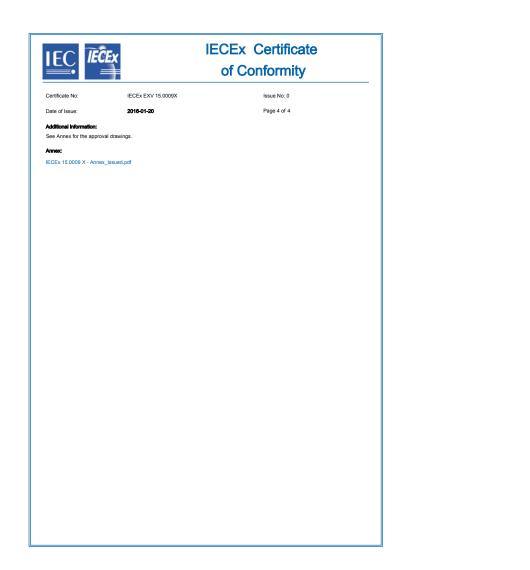
Product Serial number

CERTIFICATION

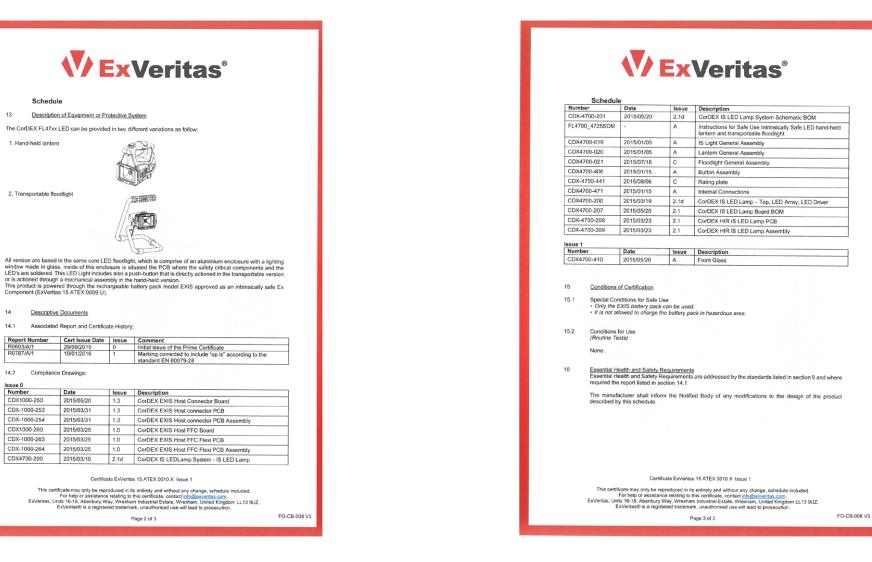
	INTERNATIONAL ELECTR IEC Certification Scheme for rules and details of the IE		
Certificate No.:	IECEx EXV 15.0009X	Issue No:	0 Certificate history: Issue No. 0 (2016-01-2
Status:	Current	Page 1 of	4
Date of Issue:	2016-01-20		
Applicant:	CorDEX Instruments Ltd Unit 1 Owens Road, Skippers Lane Industrial Estate, Middlesbrough, Cleveland TS6 6HE United Kingdom		
Electrical Apparatus: Optional accessory:	LED hand-held lantern and trans	portable floodlight	
Type of Protection:	Intrinsic Safety "I" Optical Radiat	Intrinsic Safety "" Optical Rediation "op is"	
Marking:	Ex ib op is IIC T4 Gb (Ta = -10°C	Ex ib op is IIC T4 Gb (Ta = -10°C to +40°C)	
Approved for issue on beh Certification Body:	alf of the IECEx	S. D'Henin	
Position:		Certification Manager	
Signature:			
(for printed version)			
Date:			
2. This certificate is not tra	edule may only be reproduced in full. Insferable and remains the property of the icity of this certificate may be verified by vi		
Certificate issued by:			
Unite	ExVeritas Limited 16-18 Abenbury Way		. @
W	Wrexham Ind. Est. /rexham LL 139UZ	ExVe	ritas
	United Kingdom		

IFC <i>TECE</i>	IECEx Certificate of Conformity		
Certificate No:	IECEx EXV 15.0009X	Issue No: 0	
Date of Issue:	2016-01-20	Page 2 of 4	
Manufacturer:	CorDEX Instruments Ltd Unit 1 Owens Road, Skippers Lane Industrial Estate, Middlesbrough, Cleveland TS6 6HE United Kingdom		
Additional Manufacturing location(s):			
IEC Standard list below and t found to comply with the IECI	hat the manufacturer's quality system, relating	production, was assessed and tested and found to comply with the g to the Ex products covered by this certificate, was assessed and ate is granted subject to the conditions as set out in IECEx	
STANDARDS: The electrical apparatus and found to comply with the follo		schedule of this certificate and the identified documents, was	
IEC 60079-0 : 2011 Edition:6.0	Explosive atmospheres - Part 0: Gener	Explosive atmospheres - Part 0: General requirements	
IEC 60079-11 : 2011 Edition:6.0	Explosive atmospheres - Part 11: Equi	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "("	
IEC 60079-28 : 2006-08 Edition:1	Explosive atmospheres - Part 28: Protection of equipment and transmission systems using optical radiation		
This Certificate does not inde	cate compliance with electrical safety and pe	formance requirements other than those expressly included in the	
	Standards listed	d above.	
TEST & ASSESSMENT REP A sample(s) of the equipmen	ORTS: t listed has successfully met the examination	and lest requirements as recorded in	
Test Report:			
GB/EXV/ExTR15.0010/00			
Quality Assessment Report:			
GB/SIR/QAR10.0010/06			

IEC <i>IE</i> C	Ex	IECEx Certificate	
 •		of Conformity	
Certificate No:	IECEx EXV 15.0009X	Issue No: 0	
Date of Issue:	2016-01-20	Page 3 of 4	
	Schedu	•	
EQUIPMENT: Equipment and systems	covered by this certificate are as follows:		
The CorDEX FL47xx LE	C can be provided in two different variations as fo	low:	
1. Hand-held lantern			
2. Transportable floodlig	nt		
glass, inside of this enclo	sure is situated the PCB where the safety critical	f an aluminium enclosure with a lighting window made in components and the LED's are soldered. This LED Light rsion or is actioned through a mechanical assembly in the	
This product is powered EXV 15.0008U).	through the rechargeable battery pack model EX	S approved as an intrinsically safe Ex Component (IECEx	
CONDITIONS OF CERT	FICATION: YES as shown below:		
٥			
Only the EXIS bat	tery pack can be used (IECEx EXV 15.0008U).		
It is not allowed to	charge the battery pack in hazardous area.		



	V	ExVe	ritas	
1	EC - Type Exam	ination Certificate		
2	Equipment intended for	or use in Potentially Explosive Atmo	spheres Directive 94/9/EC	
3	Certificate Number:	ExVeritas 15 ATEX 0010 X	Issue: 1	
4	Equipment:	LED hand-held lantern and tra	nsportable floodlight	
5	Manufacturer:	CorDEX Instruments Ltd		
6	Address:	Unit 1 Owens Road, Skippers Middlesbrough, Cleveland TS6 6HE – UK	Lane Industrial Estate,	
7	This equipment and an the documents therein	ny acceptable variation thereto are referred to.	specified in the schedule to the	nis certificate and
8	March 1994, certifies the Health and Safety Req	dy number 2585 in accordance with hat this equipment or protective sys juirements relating to design and co xplosive atmospheres given in Ann	tem has been found to comply instruction of equipment and p	with the Essential
9	Compliance with the compliance with the for	applicable Essential Health and llowing Standards and section 16 of	Safety Requirements has t f this certificate:	een assured by
	EN 60079-0:2012+A11 EN 60079-11:2012	EN 60079-28:2007		
10	If the sign "X" is place conditions for safe use	d after the certificate number, it in specified in the schedule to this ce	dicates that the equipment is rtificate.	subject to special
11	This EC-Type Examination Certificate relates only to the design, construction, examination and tests of the specified equipment or protective system in accordance to the Directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.			
12	The marking of the equ	ipment shall include the following:		
		(Ex) II 2 G Ex ib op	is IIC T4 Gb (Ta = -10°C	to +40°C)
	de.		On behalf of E	Veritas
				Pro .
U	K A S ODUCT FRATION		Stephen D'H Certification Ma	enin nager
No	. 8613			
			ithout any change, schedule inclu	



RUGGED AUTHORITY

Schedule

1. Hand-held lantern

2. Transportable floodlight

Descriptive Documents

Compliance Drawings

29/09/2015 19/01/2016

Date

2015/05/20

2015/03/31

2015/03/31

2015/03/25

2015/03/25

2015/03/25

2015/03/19

13

14

14.1

R0603/A/

R0787/A/1

14.2

Issue 0 Number

CDX1000-250

CDX-1000-253

CDX-1000-254

CDX1000-260

CDX-1000-263

CDX-1000-264

CDX4700-200

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