



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: IECEx TRC 13.0016X Issue No: 0 Certificate history:
Status: **Current** Page 1 of 3 Issue No. 0 (2013-11-28)

Date of Issue: **2013-11-28**

Applicant: **CorDEX Instruments Ltd**
Unit 1 Owens Road,
Skippers Lane Industrial Estate,
Middlesbrough,
Cleveland,
TS6 6HE
United Kingdom

Electrical Apparatus: **CorDEX Ex d Camera, ToughPIX II TP2410**
Optional accessory:

Type of Protection: **Flameproof**

Marking: **Ex d IIB+H₂ T6 Gb -20°C ≤ Tamb ≤ 50°C**

Approved for issue on behalf of the IECEx
Certification Body:

Stephen Winsor

Position:

Certification Officer

Signature:
(for printed version)

Date:

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

TRaC Global Ltd.
Unit 1 Pendle Place
Skelmersdale
West Lancashire
WN8 9PN
United Kingdom





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Manufacturer: **CorDEX Instruments Ltd**
Unit 1 Owens Road,
Skippers Lane Industrial Estate,
Middlesbrough,
Cleveland,
TS6 6HE
United Kingdom

Additional Manufacturing
location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2011 Explosive atmospheres - Part 0: General requirements
Edition:6.0

IEC 60079-1 : 2007-04 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:6

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

[GB/TRC/ExTR13.0017/00](#)

Quality Assessment Report:

[GB/SIR/QAR10.0010/04](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The ToughPIX II 2410 Flameproof digital camera comprises of an aluminium enclosure which is supplied with a Polymer over mould. The enclosure comprises of a main front rear and rear case which is secured with eight M3 x 0.5 A2-70 stainless steel fastener. Three glass windows are incorporated and these are also secured with M3 x 0.5 A2-70 stainless steel fasteners. One is the LCD display (six fasteners) the others are the lens and flash glass (five fasteners each) The equipment also utilises eleven small push rods connected to the over mould to enable the user to navigate the digital camera inside the enclosure. The equipment is powered by a 4.5V battery pack (3x AAA secondary cells) which must only be removed when a hazardous atmosphere is not present.

CONDITIONS OF CERTIFICATION: YES as shown below:

1. Contact the manufacturer for information on the dimensions of the flameproof joints.
2. The apparatus must only be used in areas where there is low risk of impact.
3. When replacing the battery pack, the screw must be re-tightened to a torque of 1.5-4Nm and the cover cap replaced.
4. Only CorDEX battery pack CDX2400-011 shall be used.
5. Do not charge battery pack in the hazardous area.

Annex:

[Annex to CoC IECEx TRC 13.0016X is 0.pdf](#)