



INSTRUCTIONS FOR SAFE USE

**TOUGHPIX II
TRIDENT EDITION**
EXPLOSION
PROOF DIGITAL
CAMERA



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INSTRUCTIONS FOR SAFE USE

As defined by clause 29.2(i) of EN60079-0

The conditions referenced in this section relate specifically to hazardous area applications and must be followed.

In accordance with clause 5.1 of EN 60079-1, the critical dimensions of the flamepaths are:

Flamepath	Maximum Gap (mm)	Minimum L (mm)
Rear carriage/front carriage	0.04	6.5
Flash Window/front carriage	0.1	13.8
LCD Window/front carriage	0.1	13.8
Lens window/front carriage	0.1	13.8
Operating rod/rear and	0.1	10.5

- Contact the manufacturer for information on the dimensions of the flameproof joints.
- The apparatus must only be used in areas where there is low risk of impact.
- Do not charge battery pack in the hazardous area.
- The battery must be removed from the camera and charged in the CorDEX Instruments ToughPIX II charging bay. Using a different charging device can cause damage and void certification.
- The ToughPIX II 2410 Series digital camera incorporates a protected battery system with a non-replaceable fuse. This fuse is only to be replaced by CorDEX Instruments or a CorDEX Instruments Approved Repair Facility. Failure to do so will void the certification.
- Ensure that the ToughPIX II 2410 Series digital camera battery pack is secured using the plug provided. If the plug is lost, only replace with a plug of the correct size and type. If in doubt, contact your nearest CorDEX Instruments representative.
- The ToughPIX II 2410 Series digital camera is manufactured from aluminium alloy; and must contain less than 7% magnesium by weight and incorporates toughened glass windows. This should be taken into account when considering the end use application.
- The ToughPIX II 2410 Series digital camera cannot be maintained in the field and must be returned to the manufacturer should repair or maintenance be required.
- USB communications with the ToughPIX II 2410 Series digital camera must only occur within the non-hazardous area.
- When replacing the battery pack, the screw must be re-tightened to a torque of 1.5-4Nm and the cover cap replaced.
- Only CorDEX battery pack CDX2400-011 shall be used.
- Do not enable wifi in the hazardous area.

OPERATIONAL CAUTIONS

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

- Keep out of reach of children
- The TP2410 is a precision instrument. Do not drop it, strike it or use excessive force when handling

Maintenance

For safety critical maintenance, please refer to EN60079-17



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**

Date of Issue: **2013-11-28** Page 1 of 3

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: *S.P. Winsor*
(for printed version)

Date: **2013-11-28**

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