

ToughPIX 2304XP Series

INSTRUCTIONS FOR SAFE OPERATION



Class 1 Div 1 B, C, & D T4

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The ToughPIX 2304XP is a flameproof digital camera suitable for use in hazardous areas (Ex zones: potentially explosive environments).
Read and understand all Warnings and Cautions before using this product.

LIABILITY

The technical specification of the camera complies with relevant CSA standards.

The user is solely responsible for ensuring the equipment is suitable for the intended purpose and environments.

CorDEX Instruments will not be liable for any injury or damage resulting from unauthorized adjustments to, or dismantling of, the camera or for use with inappropriate applications or environments.

TRADEMARK INFORMATION

Microsoft ® and Windows ® are U.S. registered trademarks of Microsoft Corporation. Pentium ® is a registered trademark of Intel Corporation. Macintosh is a trademark of Apple Computer, Inc. SD™ is a trademark. Other names and products may be trademarks or registered trademarks of their respective owners.

PRODUCT INFORMATION

Product design and specifications are subject to change without notice. This includes primary specifications, software, software drivers, and user's manual. The User Manual is a general reference guide for the product.

The manufacturer assumes no liability for any errors or discrepancies in the user manual.

- Incorporates toughened glass windows. This should be taken into account when considering the end use application.
- The ToughPIX 2304XP 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 2304XP Series digital camera must only occur within the non-hazardous area.

2. SPECIAL CONDITIONS OF SAFE USE

- The ToughPIX 2304XP Series digital camera must only be recharged in a non-hazardous area.
- Extreme Care should be taken to ensure that no damage is caused on flamepath between battery and camera. Ensure dowel location pins are engaged fully before tightening locking screws.
- ToughPIX 2304XP Series digital camera incorporates a protected battery system with a replaceable fuse. This Fuse is only to be replaced with CorDEX Instruments Type CDX2341-120 fuse. Failure to do so will void the certification.
- Ensure that the ToughPIX 2304XP series digital camera battery pack is secured using the screws provided. If the screws are lost, only replace with screws of the correct size and type. If in doubt, contact your nearest CorDEX Instruments representative.
- The ToughPIX 2304XP 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 2304XP Series digital camera must only occur within the non-hazardous area.

3. 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 camera or personnel.

- Do not fire the flash close to anyone's eyes. This might cause damage to the person's eyesight.
- Keep out of the reach of children.
- A camera is a precision instrument. Do not drop it, strike it or use excessive force when handling the camera. This might cause damage to the camera.
- Do not wrap the camera or place in cloth blankets.
- Use the camera in a well-ventilated place.
- Before you move the camera, disconnect the cords and cables.

4. CERTIFICATION

Model:	ToughPIX 2300XP Series
Marking:	Explosion Proof Class I, Div. 1 GPS B, C and D T4
Ambient Temperature:	Tamb -20°C to +50°C
Power Supply:	1x CorDEX Instruments XP Battery pack Part Number CDX-2341-008



Certificate of Compliance

Certificate: 2283415 **Master Contract:** 249383
Project: 2399837 **Date Issued:** February 18, 2011
Issued to: CorDEX Instruments Ltd
 Unit 6 Farfield, Main Road
 Scarborough, North Yorkshire YO13 9QD
 United Kingdom
 Attention: Richard Kidd

The products listed below are eligible to bear the CSA Mark shown with adjacent indicator 'US'



Ron Wildish
Issued by: Ron Wildish

PRODUCTS

CLASS 2258 82 - PROCESS CONTROL EQUIPMENT - For Hazardous Locations - Certified to US Standards

Class I, Div. 1, Groups B, C and D:

Centurion, Model XPC and Model ToughPIX 2304XP Digital Camera; battery operated using Battery Pack P/N CDX2341-008; Enclosure Type 3R; Temp. Code T4, Tamb = -20C to +50C.

APPLICABLE REQUIREMENTS

- FMRC 3600 – 1998 - Electrical Equipment for Use in Hazardous (Classified) Locations, General Requirements
- FMRC 3615 – 2006 - Explosionproof Electrical Equipment, General Requirements
- FMRC 3810 – 1995 - Electrical and Electronic Test, Measuring, and Process Control Equipment
- ANSI/NEMA 250 – 2003 - Enclosures for Electrical Equipment

distributed by

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