



INSTRUCTIONS FOR SAFE USE

TOUGHPIX DIGITHERM INTRINSICALLY SAFE DIGITAL IMAGING CAMERA



US Version

RUGGED AUTHORITY

www.cord-ex.com

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READ THIS FIRST

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.

Special Conditions for Safe Use

- Do not remove or replace batteries within the hazardous area.
- The battery pack can only be charged in a safe area.
- Only CorDEX approved accessories (battery pack, charger and memory card) are permitted to be used in the TOUGHPIX DIGITHERM.
- The capacitance in the non-earthed exposed metallic parts of the enclosure exceeds the values given in the Table 9 of IEC 60079-0.
- It is the responsibility of the user to determine the suitability of the maximum capacitance 82.3 pF to the intended use area.
- Operating temperature -10°C to 40°C.

Safety Regulations

When using TOUGHPIX DIGITHERM, the appropriate regulations must be observed to avoid incorrect operation of the unit.

ATTENTION! Ensure the battery door is securely fastened when using the device. The device must not be opened in the hazardous area.

READ THIS FIRST

Installation and Setting to Work

For the installation, maintenance and cleaning of the units observe the applicable regulations and provisions concerned with explosion protection (EN 60079-0, EN 60079-14) including the American Electrical Code NFPA 70.

Transportation and Storage

Transport and store without imposing excessive mechanical stresses. Storage temperature -20°C to 60°C

Authorized Person or Maintenance

Any repair or maintenance can only be carried out by personnel approved by CorDEX Instruments Ltd.

Cleaning and Maintenance

The TOUGHPIX DIGITHERM and accessories require no maintenance. For safety critical maintenance, please refer to EN60079-17.

Safety Precautions

For the installation, maintenance and cleaning of the units observe the applicable regulations and provisions concerned with explosion protection (EN 60079-0, EN 60079-14) including the American Electrical Code NFPA 70 and Canadian Electrical Code CEC 18.

Aggressive substances and environments

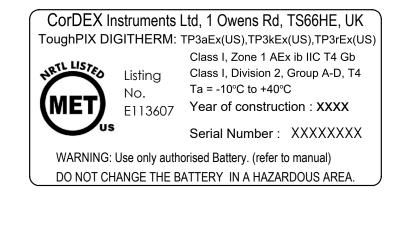
Consideration shall be given to the risk of degradation of the camera due to aggressive substances. Additional protection may be required.

Exposure to external stresses

The TOUGHPIX DIGITHERM is not intended for use with vibration, impact and heat stresses beyond its design capability. Additional protection may be required.

LABEL & TYPE CODES

Refer to the label for type codes:



MET CERTIFICATION RECORD

Certification Record	
Listing#: E113607 Report #: 98980 Original Certification: May 31, 2018 Revised Certification: N/A	MET Laboratories, Inc.
This Certification is issued to:	First in Certification
CorDEX Instruments Limited Unit 1 Ovens Road, Skippers Lane Industrial Estate Middlesbrough, Cleveland, TS6 GHE United Kingdom	MET
For the product(s):	
ToughPIX DIGITHERM Cameras TP3aEx(US), TP3kEx(US), TP3rEx(US)	
Has been certified to the following standard(s): UL 60079-0:2005 Ed. 4th, Electrical Apparatus for Explosive Gas A1 UL 60079-11:2009 Ed. 5th, Explosive Atmospheres - Part 11: Equip ANSI/ISA-/UL 61010-1:2010 Ed 3rd, Safety Requirements for Elect Laboratory use –Part 1- General Requirements (2012)	ment Protection by Intrinsic Safety 'i'.
The units have been investigated against the standards i approval for Class I, Zone 1, AEx ib IIC T4 and Class I, Divisio with ambient temperature from -10°C to +40°C for NRTL Listin Keith Graenway	n 2, Groups A, B, C, D, T4 Hazardous Location
Keith Greenway Baltimore Safety Lab Manager	
All changes proposed in the previously identified product that affects the above inf MET for evaluation prior to implementation to assure continued MET Certification.	
The covered product(s) shall be subject to follow-up inspections to ensure that the the product somple evaluated by MET Laboratories, inc. and that all manufactures are specified in the Manufactures' responsibility section of the Certification report authorized by MET Laboratories, inc. to represent the product(s) listed in this recompoduct(s) according to the terms and conditions of the MET Applicant Contract. Methods the product(s) bearing the MET Applicant Contract. We are applied in the MET Contract the product(s) bearing the MET Mark and under a follow in the MET Certification on gramm. This certification has been granted under a Syste	's responsibilities are being fulfiled . The applicant named above has been d as "MET Cartified" and to mark this/these ET Listing Reports, and the applicable w-up service are considered to be included
MET Laboratories, Inc. is accredited by OSHA and the Stan The Nation's First Nationally Recognized Testin	

SAFJ TEMP-130-0, NRTLC Certification Record 5-31-16 Page 1 of 1

For confirmation of the MET record please visit http://corp.metlabs.com/metsafety/

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