

INSTRUCTIONS FOR SAFE USE

TOUGHPIX
DIGITHERM
INTRINSICALLY
SAFE DIGITAL
IMAGING CAMERA



US Version

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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:

CorDEX Instruments Ltd, 1 Owens Rd, TS66HE, UK
ToughPIX DIGITHERM: TP3aEx(US),TP3kEx(US),TP3rEx(US)

 NRTL LISTED MET us
Class I, Zone 1 AEx ib IIC T4 Gb
Listing No. E113607 Class I, Division 2, Group A-D, T4
Ta = -10°C to +40°C Year of construction : XXXX
Serial Number : XXXXXXXX

WARNING: Use only authorised Battery. (refer to manual)
DO NOT CHANGE THE BATTERY IN A HAZARDOUS AREA.

MET CERTIFICATION RECORD

Certification Record

Listing#: E113607
Report #: 98980
Original Certification: May 31, 2018
Revised Certification: N/A

This Certification is issued to:
CorDEX Instruments Limited
Unit 1 Owens Road, Skippers Lane Industrial Estate
Middlesbrough, Cleveland,
TS6 6HE
United Kingdom

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 Atmospheres – Part 0: General Requirements.
UL 60079-11:2009 Ed. 5th, Explosive Atmospheres - Part 11: Equipment Protection by Intrinsic Safety 'i'.
ANSI/ISA/UL 61010-1:2010 Ed 3rd, Safety Requirements for Electrical Equipment for Measurement, Control and Laboratory use –Part 1- General Requirements (2012)

The units have been investigated against the standards UL 60079-0:2005 and UL 60079-11:2009 for approval for Class I, Zone 1, AEx ib IIC T4 and Class I, Division 2, Groups A, B, C, D, T4 Hazardous Location with ambient temperature from -10°C to +40°C for NRTL Listing.



Keith Greenway
Baltimore Safety Lab Manager

All changes proposed in the previously identified product that affects the above information must be submitted to MET for evaluation prior to implementation to ensure continued MET Certification status.

The covered product(s) shall be subject to follow-up inspections to ensure that the Certified product(s) are identical to the product sample evaluated by MET Laboratories, Inc. and that all manufacturer's responsibilities are being fulfilled as specified in the Manufacturer's Representability section of the Certification report. The applicant named above has been authorized by MET Laboratories, Inc. to represent the product(s) listed in this record as "MET Certified" and to mark this/these product(s) according to the terms and conditions of the MET Applicant Contract, MET Listing Reports, and the applicable marking agreements. Only the product(s) bearing the MET Mark and under a follow-up service are considered to be included in the MET Certification program. This certification has been granted under a System 3 program as defined in ISO/IEC 17067.



MET Laboratories, Inc. is accredited by OSHA and the Standards Council of Canada.
The Nation's First Nationally Recognized Testing Laboratory

MANUFACTURER CONTACT INFORMATION

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

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