

# CorDEX



# TOUGHPIX DIGITHERM

Introducing the Class I, Division 2 certified **TOUGHPIX DIGITHERM, US Edition**. Professional features in a pocket sized package.

## FEATURES



NRTL listed for Class I, Division 2, Groups A, B, C, D, T4 Class I Zone 1, AEx ib IIC T4 Hazardous Locations Ambient temperature: -10°C to 40°C



Adaptive thermal blending



5 megapixel digital camera with automatic motorized focus



8GB removable CorDEX memory card



Manufactured from lightweight aircraft grade aluminium weighing in at only 13.4oz



Using CorDEX Enhanced Measurement Algorithms, measure from 14°F to 716°F with accuracy up to +/-2% or +/-3.6°F



CorDEX Instruments introduces the **TOUGHPIX DIGITHERM TP3rEx(US)**, a full featured compact, intrinsically safe, digital imaging camera. This latest edition of **TOUGHPIX DIGITHERM**, boasts the same core features of the ATEX certified option but with the benefit of holding Class I, Division 2 certification by MET for the North American market.

With the ability to combine its 5MP digital image with its 80x60 thermal image, in real time, **TOUGHPIX DIGITHERM TP3rEx(US)** offers a best in class feature set, enabling not only standard digital camera operation but the added benefit of temperature measurement. **TOUGHPIX DIGITHERM TP3rEx(US)** offers users the ability to download images either via a removable 8GB Memory Card or on-board Wi-Fi technology.

Supplied with the powerful CorDEX CONNECT reporting package, **TOUGHPIX DIGITHERM TP3rEx(US)** represents the ultimate in compact digital imaging camera technology intended for use in potentially hazardous (explosive) areas. With its removable & rechargeable battery pack (supplied) the end user can be confident that their **TOUGHPIX DIGITHERM TP3rEx(US)** is kept running around the clock, maximizing return on investment.

Rugged, powerful and with ground-breaking affordability, **TOUGHPIX DIGITHERM** sets the standard with compact digital imaging cameras. With must-have features including: 5 megapixel visual camera, LED flash, realtime visual/thermal image blending, wireless connectivity, **TOUGHPIX DIGITHERM** brings a new dimension to the task of finding, documenting and sharing problems.

**TOUGHPIX DIGITHERM** next generation combination of high resolution 5MP visual sensor, automatic motorised focus plus large depth of field means that the need for a separate macro-mode (a must for low resolution, fixed focus cameras) isn't required. **TOUGHPIX DIGITHERM** has the ability to resolve images as close as 2 inches away with crystal clear detail for targets approaching 1/32" square. No macro mode switches plus realtime review of images there and then to ensure you get the detail you need without having to return at a later date. Just point the camera, let it focus, check the image on the full colour display and hit shoot, let the **TOUGHPIX DIGITHERM** do the work.

CorDEX reserve the right to make changes to the instrument at anytime and without notice.

RUGGED AUTHORITY



www.cord-ex.com

# PRODUCT OVERVIEW

General information	
Image download	WiFi & removable memory card (safe area only)
Image storage	8GB
Body material	Anodised aluminium with polymeric materials
Lens & LCD material	Armoured Glass
Weight	13.4oz
IP rating	54
Operating range	14°F to 104°F
Storage	-4°F to 140°F

Electrical information	
Battery type	Removable & rechargeable (safe area only)
Capacity	1900mAh
Cell type	Li-ion

Thermal radiometric capability	
Sensor	80x60 pixel array
Imaging	Adaptive thermal blending for dual mode imaging
Low range	14°F to 284°F with +/-3.6°F or +/-2% accuracy
High range	14°F to 716°F with +/-9°F or +/-5% accuracy
Sensor NETD	<50mK
Radiometric compensation	Emissivity, temperature, distance, humidity

Visual capability	
Standard image capture	5 megapixel
Additional features	Auto-focus, auto exposure, powerful flash LED
Screen size	2.8 inches

Certificate information	
NRTL Listing (MET)	E113607
Standards	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)
Certificate Type	Class I, Division 2, Groups A, B, C, D, T4 Class I Zone 1, AEx ib IIC T4 Hazardous Locations Ambient temperature: -10°C to 40°C

**FOR PRODUCT INFORMATION AND TO PLACE AN ORDER CONTACT:**

TEL: +44 (0) 1642 454373  
TEL USA: 1 877 836 0764  
EMAIL: SALES@CORD-EX.COM  
WEB: WWW.CORD-EX.COM

**CORDEX INSTRUMENTS LTD.**  
UNIT 1 OWENS ROAD  
SKIPPERS LANE  
INDUSTRIAL ESTATE  
MIDDLESBROUGH  
TS6 6HE



Compact and rugged weighing only 13.4oz.



Infrared vision with a super sensitive 80x60 thermal sensor array, as standard.



Removable 8GB memory card and USB card reader.



Onboard bright white LED illumination. With flash and torch mode, TOUGHPIX DIGITHERM has you covered, every time.



Onboard wireless link allows you to connect and download images directly to your PC.