

TOUGHPIX DIGITHERM

COMM-CO
Communication today and tomorrow

**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 functioned 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

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 |

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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.