CorDEX

TC7150

Tough, safe and accurate, **TC7150** is the **thermal imaging camera** of choice for oil, gas mining, marine and dust environments.

FEATURES

- MET Certified for Class I & II, Div.2 and Class III hazardous locations
- No waiting for hot work permits with intrinsically safe design
- Find the smallest defects with the high resolution 320 x 240 IR Detector
- Built-in RFID tag reader for use with the CorDEX SMART IR Windows

The TC7510 - Thermal imaging is a proven tool for predictive maintenance; however thermography in hazardous (explosive) areas has not been easily accessible due to certification restrictions.

Being the only certified intrinsically safe fully radiometric thermal imaging camera, the TC7510 means that this is now possible, reducing the need to obtain hot work permits for Class I, Div.2 and Class II, Div.2 and Class III hazardous locations.

Tough, safe and accurate, TC7510 is the thermal imaging camera of choice for oil, gas, mining, marine and dust environments where safety cannot be compromised. The TC7510 now allows you to image and measure refractory lining in crackers and heaters, missing or damaged pipe insulation, steam traps, motors, bearings, gearboxes, shaft misalignment, trace heating, flares, tank levels, condenser fins, heat exchangers, pumps, pipe and valve leakage, poor lubrication and safe area electrical switchgear.

Using the built-in RFID Scanner and CorDEX CONNECT™ Software you can now take predictive maintenance to a whole new level, whilst helping to decrease and eliminate downtime in known trouble areas. With CorDEX CONNECT™ you can simply manage your CorDEX equipment, edit images, analyse data, schedule maintenance and create reports.

PRODUCT OVERVIEW

Certificate Information	
MET Listing No	E113607
MET (North America) certificate type	Class I, Division 2 Class II, Division 2 Class III

Temperature Information	
Measurement Range	-4°F to 1112°F (-20°C to +600°C)
Accuracy	+ 2°C or 2% of reading

Imaging	
Image Frequency	9Hz
Detector	320 x 240 uncooled microbolometer
Thermal Sensitivity / NETD	50mK
Spectral Range	8µm to 14µm
Field of View (FOV)	25° x 20.5°
Spatial Resolution (IFOV)	1.38 mrad
Minimum Focus Distance	≈ 4" (10cm)
Lens	F 1.2

Image Capture	
File Storage	8GB
File Formats	CDX (Radiometric) JPEG (Non-radiometric)
Voice Annotation	YES
RFID Tag Reader	•Operates with 13.54MHz passive tags •Detection range up to 5cm (1.9in) •SupportsISO/IEC15693-2,ISO/IEC18000-3 tag formats

General Information	
Operating Temperature	-4°F to 104°F (-20°C to +40°C)
Storage Temperature	-40°F to +158°F (-40°C to +70°C)
Display	3.2" Backlit LCD
Software	CorDEX CONNECT (Included)
Batteries	Rechargeable Lithium-ion

Swivel the detector assembly minimise screen reflections and comfortably access high and low areas of interest.

See hot spots easily with the clear and bright 3.2" Backlit Display.

Download images and data through the USB connection to CorDEX CONNECT™ reporting and predictive maintenance software.

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

FEATURED PRODUCT

SMART IR Window Series
IW2000 / IW3000 / IW4000