

## Dräger UCF 7000 Thermal Imaging Cameras

Can you bring your thermal imaging camera into potentially hazardous areas? The Dräger UCF 7000 thermal imaging camera is intrinsically safe (UL Class 1, Division 2) and offers new levels of security and reliability in potentially hazardous settings. Technologically advanced yet easy to use with one hand, the UCF 7000 provides first responders peace of mind with rapid, accurate and clear imaging in any hazardous situation.



- Detailed images provided by 160 X 120 pixels resolution and 2X zoom allow faster decision-making
- UL Class 1 Division 2 design is intrinsically safe
- Application modes allow the user to enhance the camera's sensitivity to any area of interest
- One-hand operation provides ease of use and enhanced mobility
- Brightness sensor adapts the display to all lighting conditions
- Integrated laser pointer pinpoints hazards and aids communications
- Snapshot function allows freeze-frame imaging of difficult areas
- Lightweight and ergonomic design helps minimize fatigue
- ThermalScan feature highlights images at set temperature thresholds for easier hotspot identification
- Integrated video and sound recording supports safety training and more



### GOING IN PREPARED

It's good to know that the camera you're carrying is safe to use when entering into a hazardous area. The Dräger UCF 7000 thermal imaging camera is intrinsically safe (UL Class 1, Division 2) and provides peace of mind and increased ability to focus on the mission. The UCF 7000 is equipped with a host of innovative features designed to provide high image quality, improved ergonomics, and other benefits in emergency response situations. The result is a high performance thermal imaging camera that is rugged, innovative, and easy to use. With Dräger, "Going in Prepared" means having the best technology and equipment available to help first responders meet any challenges they face.

### MADE FOR PROFESSIONALS

Thermal imaging cameras from Dräger are invaluable tools that aid personal navigation when fire, smoke, and darkness create a challenging and dangerous environment. These innovative cameras are designed to help emergency responders navigate difficult settings, locate persons and hotspots, and protect personal safety.

The Dräger UCF 7000 sets new standards in safety, reliability, ease of use, and operational support in demanding emergency settings. The UCF 7000 is equipped with innovative features designed to meet the requirements of today's professional emergency response personnel. The UCF 7000 is easy to use and delivers excellent image quality with application-specific displays designed to enhance image clarity and facilitate emergency situation assessment.

[For more information on this product click here: Draeger 7000](#)

## DRÄGER UCF 7000



### COMFORTABLE ONE-HAND OPERATION

Using the Dräger UCF 7000 means one hand is always free, an invaluable benefit that promotes safety and ease of use while allowing maximum freedom of movement for the user. The compact and well-balanced UCF 7000 weighs only 2.9 lbs, making it easy to operate with just one hand. The "application switch" makes it possible to use the camera safely and utilize its functionality to the fullest extent in highly stressful situations. A sturdy detachable "crawling plate" allows the user to brace the camera on the ground, providing an additional movement option. The UCF 7000 offers various carrying options for optimal comfort and portability.

### BETTER OVERVIEW, MORE DETAILS

The Dräger UCF 7000 provides excellent image quality in settings where visibility is extremely limited. The resolution of 160 x 120 pixels and 2x zoom provide detailed images in any setting, allowing rooms, hallways, and other areas of the immediate vicinity to be searched quickly and safely. With the "application modes" (application-specific operating modes), the UCF 7000 makes it possible to optimize the image

display for the specific task at hand. For example, the camera display can be optimized for finding persons or sources of fire. Three operating modes are quickly selected at the push of a button:

- Fire (firefighting)
- Persons (search and rescue)
- ThermalScan (highlight a set temperature threshold that is great for searching for hotspots during overhaul)

This flexibility provides emergency responders with the most useful information in any situation.

### EXTENDED FUNCTIONALITY

Optimized image processing provides a quick overview in just seconds. The "snapshot" function provides a temporary freeze-frame thermal image which can then be viewed on the display. This feature makes it possible to "see around corners" when the freedom of movement or field of view are limited and allows users to assess particularly difficult areas quickly and safely.

The integrated laser pointer promotes safety and aids communication by allowing users to point out the location of hot spots and other of hazards and define the path of attack for other team members.

The UCF 7000 offers high temperature resolution in the hottest environments. This feature makes it possible to detect cooler objects such as people in the vicinity of a fire with the best possible resolution. Integrated video and sound recording capabilities are part of the UCF 7000 delivery scope.

### EXTREMELY ROBUST

The UCF 7000 is robust and rugged for extended use in the most hostile environments. With an extremely durable housing, the UCF 7000 is heat-resistant and withstands mechanical stresses with ease, and has a high protection classification IP 67 and is resistant to water, dust, and other contaminants typically encountered during emergency response situations. Modern lithium-ion battery technology provides the UCF 7000 with up to four hours of operating time, giving users peace of mind during extended operations.

## EXCEPTIONAL SAFETY

An explosive atmosphere is always a concern on calls where there is no fire. In this setting, the equipment cannot be a source of ignition. The UCF 7000 is the tool of choice for use in these types of situations. The camera is intrinsically safe and approved for use in potentially

explosive atmospheres including zone 1 according to ATEX.

## STANDARD USB INTERFACE

The UCF 7000 is supplied with a standard USB 2.0 interface by default, making it possible to configure the camera and transfer thermal images directly to a PC.

Images and video sequences recorded for documentation purposes can also be transferred to a PC.

## BROAD RANGE OF ACCESSORIES

The UCF 7000 is shipped complete with USB cable, detachable "crawling plate", and PC software CD.

## ORDER INFORMATION

### Dräger UCF 7000

Dräger UCF 7000 (50 Hz)	83 21 125
<b>Accessories</b>	
Transport case	83 21 099
Neck strap	83 23 031
Retractable lanyard	83 23 032
Hand support loop	83 23 033
Li-ion battery (with Ex-approval)	83 23 075
Battery charger	83 21 247
Power supply for charger	83 16 994
Alkaline supply unit (incl. cells)	In preparation
Alkaline cells (3 x 2 pcs.)	In preparation
Truck charging kit (bracket and 12-30 V-cable)	83 21 253
Suck-Tripod, e.g. to mount on vehicle roof	83 23 070
Wall mounting	Not active
Tripod	83 21 254
Universal clamp	83 21 259
12 V-adapter for operations with tripod	In preparation
12 V-power supply for operations with tripod	83 16 994

### Included in scope of delivery

Thermal Imaging Camera with integrated laser pointer, "snapshot function", 2x zoom, 3 additional application modes ("Application switch"), e.g. ThermalScan and video and sound recording, 1 battery and 1 charger. Add. with USB-cable, attachable crawling plate, PC-software, instructions for use and brief instruction.

## TECHNICAL DATA

### Dräger UCF 7000

Dimensions of camera (B x H x T)	4.9" x 11" x 4.3" (125 x 280 x 110 mm)
Weight	2.94 lbs. (1,335 g) incl. battery
<b>Display</b>	
Technology	Liquid cristal display (LCD)
Size (diagonal)	3.5" (9 cm)
<b>Housing</b>	
Protection cover	Rubber material EPDM
Carrying loops	High-temperature resistant material
Housing material	High-temperature resistant plastic
Protection class	IP 66 and 67
<b>Infrared-specifications</b>	
Type of sensor	a-Si Microbolometer Array
Resolution	160 x 120 Pixel
IR spectral	7 to 14 µm
Temperature sensitivity	< 32.9 °F (< 0.05 °C) (nominal)
Picture frequency	25 Hz

For more information on this product click here: [Dräger 7000](#)

**Optics**

Material	Germanium
Focus	From 1 m to infinity
Field of view	Horizontal: 47° / Vertical: 32° / Diagonal 62°

**Operation**

Operation time (at 23°C) with battery	typically 4 hours
Operation time (at 23°C) with alkaline power supply	typically 2 hours
Temperature measurement	Digital temperature display: -40 °F - 1,832 °F (-40 °C - 1,000 °C)
Operating temperature	-40 °F - 185 °F (-40 °C - 85 °C)
Battery technology	Rechargeable li-ion batteries
Battery Display	Precise 4-level battery indicator
Approvals	NFPA 1801:2010 pending UL Class/Div 2

**HEADQUARTERS**

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