SUMMARY DATA SHEET

INTRODUCTION

The Mi-TIC E is the world’s smallest high resolution thermal imager for fire fighting applications. The camera provides a crystal clear image with dynamic range up to 760°C (1400°F) and at the same time see very low temperature objects, which is ideal for casualty searches.

Every Mi-TIC E is supplied with a unique dual use desktop/in-truck charger station which securely retains and charges both the thermal imager and a spare battery. The charger stations can be daisy-chained together, up to a maximum of 6 units.

PERSONAL

Weighing approximately 750g (26oz) the Mi-TIC E is a small format thermal imager that can be easily and comfortably held in the palm of your hand. Unlike many thermal imagers, the Mi-TIC E design allows it to be worn in multiple ways – in the hand, inside a pocket, clipped outside a pocket, clipped to a lanyard or hung around the neck.

SIMPLE

With a thumb operated green on/off button and superb start up time of 5 seconds, the Mi-TIC E is simple to use.

SAFE

The Mi-TIC E has Class I, Division 2 and Class II, Division 2 Non Incendive certifications. The use of Lithium Iron Phosphate technology ensures the Mi-TIC E delivers in excess of 3 hours of battery life over 2,000 plus charge cycles. They are inherently safe due to the use of patented nanophosphate® technology.

CAMERA STANDARD FEATURES

The Mi-TIC E comes with the most advanced features available in any thermal imaging camera. These include:

- 2.7" LCD Display
- Direct Temperature Measurement (DTM)
- Tri-Mode Sensitivity
- Customisable start-up screen
- Firefighting application modes*
  - Fire mode
  - Overhaul
  - Size Up
  - Inspection
- Search and Rescue application modes*
  - White Hot
- Image Capture (1000 images)*
- X2 and X4 Digital Zoom*
- Video Capture (16 hours) including Black Box recording
- Image Freeze*
- User Replaceable Germanium window (Order code: ARG_MI_RWS)
- No PC Software required for image and video download – when the camera is docked, it is recognised as a removable device, like a USB memory stick

* 3-button variants only

CAMERA OPTIONAL ACCESSORIES

The Mi-TIC E can be purchased with the following accessories:

- AA Battery Pack. (Order code: ARG_MI_YAA)
- argus® Mi-TIC Lithium Iron Phosphate Battery Pack. (Yellow) (Order code: ARG_MI_BLPYN-2)
- Truck/Desktop Charger Dock with mains plug and universal mounting plate. (US, UK, Europe, Aus and South America). (Order code: ARG_MI_CS)
- Retractable Lanyard. (Order code: ARG_MI_RL)
- USB Connection Lead for connecting dock to PC / Laptop. (Order code: ARG_MI_USB)
- Pocket Clip. (Order code: ARG_MI_PCLIP)
- Quick Start Guide
- argus® Mi-TIC Black Hard Case. (Order code: ARG_MI_BHC)
- argus® Mi-TIC Yellow Hard Case. (Order code: ARG_MI_YHC)
- argus® Mi-TIC Sunshroud. (Order code: ARG_MI_SS)
- argus® Soft Carry Case. (Order code: P7030SC)
- argus® Neck Strap. (Order code: P7030NS)

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**ENVIROMENTAL DATA**

**Thermal conditions**
- Continuously between -20°C (-4°F) and +85°C (185°F) or
- 150°C (300°F) for 15 minutes
- 260°C (500°F) for 5 minutes

**Sealing**
- IP67, will withstand immersion in water

**Impact**
- The camera will withstand a drop from a height of 2m (78 inches) onto concrete

**Storage**
- It is recommended that for maximum effective operational life, the storage temperature is kept between -20°C (-4°F) and +40°C (104°F)

**MECHANICAL DATA**

**Camera dims**
- 203mm x 96mm x 71mm
- (8 x 3¾ x 213/16 inches)

**Camera weight**
- 600g (21oz) without battery
- 765g (27oz) with standard battery
- 855g (30oz) with high capacity battery

**Battery dims**
- 87mm x 76mm x 28mm (standard battery)
- 87mm x 76mm x 35mm (high capacity battery)

**Battery weight**
- 165g (6oz) standard battery
- 255g (9oz) high capacity battery

**Charger dims**
- 167mm x 112mm x 120mm

**Charger weight**
- 550g (1lb 3oz)

**ELECTRICAL DATA**

**Power consumption**
- <3 W typical

**Start-up time**
- 5 seconds typical

**Battery type**
- Lithium Iron Phosphate Rechargeable Battery

**Battery capacity**
- 1500 mAh, 6.6V (standard battery)
- 2500mAh, 6.6V (high capacity battery)

**Std Battery life**
- In excess of 3 hours @ ambient temperature (22°C, 72°F)

**Std Battery charge time**
- Less than 3 hours

**High Capacity Battery Life**
- In excess of 5 hours @ ambient temperature (22°C, 72°F)

**High Cap, Battery charge time**
- Less than 4.5 hours

**Battery recharge cycles**
- Over 2000 cycles

**Battery charging temp.**
- 5°C to 40°C (41°F to 104°F)

**Charger input voltage**
- 11V – 30V DC (12V and 24V vehicle systems)

**Charger operating temp.**
- 0°C to 40°C (32°F to 104°F)

**COMPLIANCE DATA**

**Performance**
- NFPA 1801:2018 Standard on Thermal Imagers for the Fire Service

**Safety**
- IEC 62368-1:2014 and related national standards
- Class II, Div 2 Groups F, G T4

**Emissions**
- EN 55032:2015, Class A
- EN 54098:2010
- FCC CFR 47 subpart 15b, ICES 003:2017
- AUS/NZ 4251.1

**Immunity**
- EN 55103-2:2009
- EN 60721-3-2

**Vibration/Shock**
- BS EN 60721-3-2 Class 2M3

**RoHS**
- All parts of the system are compliant with EU directive 2011/65/EC

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