



The **TIC-870** is a compact, Bluetooth enabled thermal imaging camera designed for easy interaction with Android and iOS devices. Once connected, the app provides a live graph of recorded data showing centre spot temperature and the minimum and maximum temperatures in view. Captured images can be transferred in seconds to your chosen device and used for presentations, attached to reports or saved for later viewing.

With a capacity of 20 images, this camera is designed to be used in conjunction with a supporting device, such as a tablet, mobile phone or projector that can receive and process the captured images.



**\* Phone / Tablet Not Included**

**Please note:**  
File transfer is via Bluetooth only. Ensure your supporting device is Bluetooth enabled.

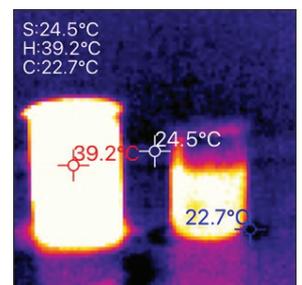
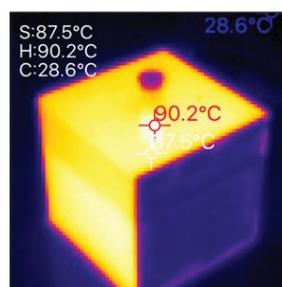
## PREVENTATIVE MAINTENANCE

With its compact size and hard carry case, this device is popular add-on to any engineer's tool-kit. Its durable construction allows it to withstand a 2meter drop. It provides a fast and efficient way to attached thermal images to reports without the need for USB cables, PC's or Wi-Fi connections.



## IN THE CLASSROOM

With its ability to quickly transfer thermal images to a Tablet or Android Projector, it is ideal for conducting class room experiments such as radiant heat from different sides of a Leslie's cube, endothermic and exothermic reactions, human heat loss factors such as hair colour and heat loss in mammals of different sizes.



| Imaging and Optical Data      |  |
|-------------------------------|--|
| <b>Field of View:</b>         | 21° x 21°                                    |
| <b>Spatial Resolution:</b>    | 4.53mrad                                     |
| <b>Sensitivity (NETD):</b>    | <0.1°C@30°C(80°F)/100mK                      |
| <b>Image Frequency:</b>       | 50Hz   |
| <b>Focus Mode:</b>            | Focus Free                                   |
| <b>IR Resolution:</b>         | 80 x 80                                      |
| Image Presentation            |  |
| <b>Display:</b>               | 2" TFT LCD                                   |
| <b>Display Resolution:</b>    | 240 x 320 pixels                             |
| <b>Colour Palettes:</b>       | IRON, RainBow, Grey, GreyInverted            |
| <b>Storage Capacity:</b>      | 20   |
| <b>Storage Format:</b>        | Bitmap(BMP), including measurement data      |
| Measurement                   |  |
| <b>Temperature Range:</b>     | -20°C to 380°C (-4°F to 716°F)               |
| <b>Accuracy:</b>              | ±2°C or ±2% of reading                       |
| Measurement Analysis          |  |
| <b>Emissivity:</b>            | 8 pre-defined level and variable 0.01 to 1.0 |
| <b>Spotmeter:</b>             | Centre Spot                                  |
| <b>Hot/Cold Detection:</b>    | Automatic hot and cold spot markers          |
| Data Communication Interfaces |  |
| <b>Bluetooth:</b>             | Yes  |
| <b>Wi-Fi:</b>                 | No   |
| <b>USB Connection:</b>        | No   |
| Power                         |  |
| <b>Battery:</b>               | Rechargeable li-ion battery                  |
| <b>Battery Life:</b>          | 4 hours operating time                       |
| <b>Power Management:</b>      | Automatic Shutdown                           |