FLIR Diagnostic Thermal Camera

User Guide

Use the FLIR Diagnostic Thermal Camera Thermal Camera to view and measure surface temperatures around your home.

The thermal camera can help determine if heat is being lost in winter or gained in summer, due to draughts and gaps in insulation.

How to use

1. For best results:
    a. *Ensure areas being scanned are well lit*
    b. *If assessing in winter, turn your heater on to your regular set temperature*
    c. *If assessing in summer, turn cooling on to your regular set level*
    d. *Colours displayed are comparative so make sure humans and pets are out of the frame!*
2. Press the 'Power' button on the front of the device to turn on
3. Point camera at area desired to scan.
   The temperature displayed at the top of the screen shows surface temperature at the cross hairs.

a. Scan walls and ceiling to determine any gaps in insulation

b. Scan windows to determine level of heat loss in winter or heat gain in summer

c. Scan around window frames, door frames, exhaust fan outlets or chimneys to locate gaps which need to be sealed.

4. Take photos of all areas scanned to analyse in more detail.
   Pull the trigger to take a photo.
5. Press 'Power' button to navigate to gallery to view images taken.
6. Plug the camera into your home computer using the USB cable provided to upload the images taken.
7. Delete all images before returning the thermal camera to the library.
8. If the device needs charging, charge using the USB cable before returning to the library.
9. Hold the 'Power' button to turn off the device.

What is draught proofing and insulation?

Draught proofing and insulation in your home helps to prevent warm air from escaping in winter and hot air entering during summer. This saves you money on heating and cooling your home, and makes your home more comfortable. There are some cheap, easy and renter friendly ways to reduce draughts including:

- Sealing gaps found around doors and windows
- Installing heavy curtains and pelmets around window frames
- Installing honeycomb blinds
- Installing a chimney balloon in open chimneys when not in use
- Apply window insulating film

See Sustainability Victoria guides below for practical information about where to start

Draught Proofing your Home

Insulation

Or go to www.yourhome.gov.au for more in-depth information about designing, building or renovating you home to ensure it is energy efficient, comfortable, affordable and adaptable for the future.

Warning! Internal gas appliances

Un-flued or open flued gas heaters require some ventilation to operate safely. You should not seal any fixed vents that are required for this. It's important to have a qualified gas fitter check the carbon monoxide levels to make sure that the heating is operating safely after any draught-proofing.

Consider replacing internal gas appliances including heaters and gas stoves with safer, more sustainable and energy efficient electric versions. Visit 100% Renewable Brimbank at brimbank.vic.gov.au/renewable for more information about going all-electric in the home.