

QUICK SHEET

FLIR one

LOCATION of EQUIPMENT:

Hardware: See lab attendant

Software: FLIR ONE for iOS and android

INSTRUCTIONS FOR USE:

1. Download the FLIR ONE app for your smartphone or tablet.
2. Attach the FLIR ONE camera so that the camera is facing out.
3. Point the FLIR toward whatever you wish to capture and the device will start to calibrate.
4. Take pictures like normal using the FLIR ONE app.
5. All images can be transferred to a photo album on your smartphone or tablet which makes exporting images easy.

HELPFUL TIPS:

1. Make sure the device is charged before you go out to collect data.

OVERVIEW:

The FLIR One is an infrared camera that attaches to an iPhone/iPad and detects infrared energy (heat) and converts it into an electronic signal, which is then processed to produce a thermal image on a smartphone or tablet. Heat sensed by an infrared camera can be very precisely quantified, or measured, allowing you to not only monitor thermal performance, but also identify and evaluate the relative severity of heat-related problems.

SUGGESTED APPLICATIONS:

- Determining heat loss in building's envelope
- Look at solar heat gain

RELEVANT TOPICS:

Post-Occupancy Studies, Daylighting Studies, Performance of Glass in Eliminating UV-B Radiation (Transmittance)