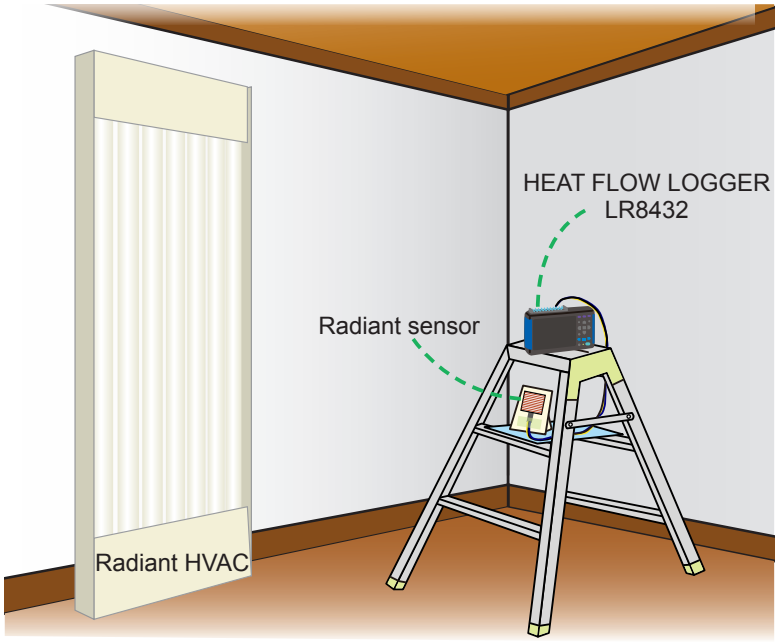
Is your radiant heating and cooling (HVAC) system producing the right amount of warmth?

Use a heat flow logger and radiant sensor to measure the thermal characteristics of a radiant HVAC system.

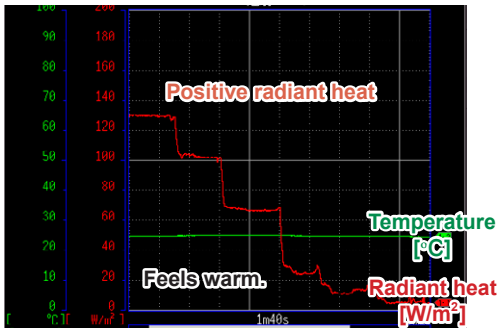
Using the Heat Flow Logger LR8432 and a radiant sensor, you can measure the radiant heat produced by a radiant HVAC system. People- and environment-friendly radiant HVAC systems heat and cool spaces in an energy-efficient manner without producing any sound or airflow. However, it can be difficult to evaluate the amount of warmth or coolness produced by such systems because they rely on radiant heat, which is not visible to the human eye, to function. You can visualize this type of otherwise invisible radiant heat using the Heat Flow Logger LR8432 and a radiant sensor.



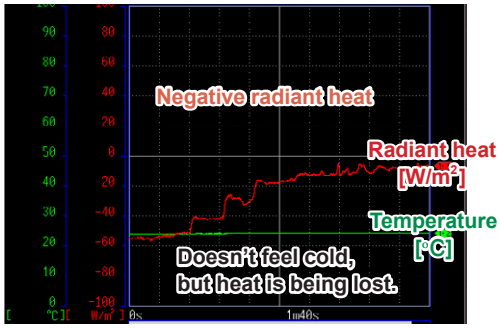
Measurement with the LR8432

One single instrument does the entire job !

Air heated



Air cooled



- Each radiant sensor has its own unique level of sensitivity. Sensitivity is expressed as electromotive force per 1 W/m2.
- The LR8432 eliminates the need to configure scaling settings that require troublesome calculations. Instead, you need only enter the sensitivity of the sensor as-is.
- Radiant heat varies with location (distance from the radiant HVAC system) and operating conditions.
- Since the LR8432 can record up to 10 channels of data for an extended period of time, it can record changes in radiant heat and room temperature over time at multiple locations.
- A double-graduation function lets you display separate graduated scales for temperature and radiant heat on the left side of the screen, making it easy to check values.

Products used

HEAT FLOW LOGGER LR8432-20
* Please prepare a radiant sensor .