



**METER**  
ENVIRONMENT

# ENVIRONMENTAL/ CLIMATE MONITORING





## INFRARED TEMPERATURE SENSORS (IRT)

The IRT monitors surface temperature by measuring the thermal energy radiated from any surface within its field of view, and is compatible with the ZL6 data logger and ZENTRA Cloud for easy, remote access to data on the cloud.

For better accuracy, the IRT measures both the target temperature and the temperature of the sensor itself to correct for the temperature sensitivity of the detector. A tough germanium window makes the sensor durable without decreasing its accuracy. A weatherproof aluminum body withstands harsh weather conditions.

### KEY FEATURES:

- Includes a radiation shield and mounting bracket
- Highly accurate factory calibration
- Research-grade accuracy at low cost
- Plug-and-play with ZL6 logger

### SPECIFICATIONS

- Range: -30 to 65 °C
- Accuracy:
  - Research-grade models (SI-421, SI-431, SI-4H1): +/- 0.2 °C when sensor body is within 20 °C of target temperature
  - Commercial-grade model (SI-411): +/- 0.5 °C when sensor body is within 20 °C of target temperature
- Field-of-View Options
  - Research-grade models (SI-421, SI-431, SI-4H1): circular aperture with half-angles of 14, 18, or 22°, or horizontal aperture with 13° vertical half-angle and 32° horizontal half-angle
  - Commercial-grade model (SI-411): 22° half-angle