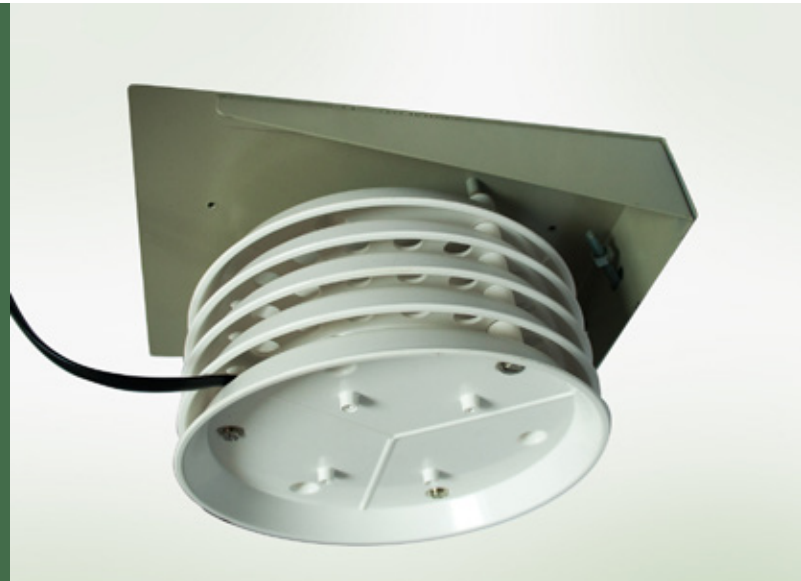


HUMIDITY & TEMPERATURE SENSOR

Humidity is an important aspect of the atmosphere because it affects weather and indoor environments.

UTILITY AREA

- Environment Monitoring
- Energy Forecasting
- Post Harvest Crop Storage
- Plant Pathology
- Pharmaceutical processing
- Food Processing
- Incubators and Operation Theaters



The IRH01 relative humidity / Temperature Sensor provide a reliable and economical method for most relative humidity and temperature monitoring applications. The compact design is ideal for wall or duct mounting. Each unit is factory calibrated to provide excellent sensitivity, fast response and stability. The unit features a simple installation. A unique capacitive sensor element is used for measuring relative humidity while temperature is measured by a band-gap sensor. The unique technology guarantees excellent reliability and long term stability. Both sensors are seamless coupled to a 14 bit analog to digital converter and a serial interface circuit. This results in superior signal quality, a fast response time and insensitivity to external disturbances (EMC).

SPECIFICATION

Temperature

Range:.....40 -123Degree centigrade
Resolution:.....0.01
Accuracy:.....0.5

Humidity

Range:.....0-100 %
Resolution:.....0.05
Accuracy:.....± 4.5%