



METER

IRT INFRARED THERMOMETER



Non-contact, continuous monitoring

IRT delivers a continuous stream for easy, remote access to data on the cloud of temperature data from the entire field of view, not just data from a single leaf. A radiation shield and mounting bracket are included. Plus it comes with a highly accurate factory calibration.

Many field of view options

Select the right field of view for your application. Choose a circular aperture with half angles of 14, 18, or 22 degrees, or pick a horizontal aperture with 13 degree vertical half angle and 32 degree horizontal half angle (see specs for options).

Accurate, rugged, lightweight, weatherproof

For better accuracy, 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.

Monitor from your mobile device

Compatible with METER's simple, low-power ZL6 series data loggers and ZENTRA Cloud data visualization software, IRT lets you download and see automatically graphed data in your office or anywhere with an internet connection. It's easy to set up with no programming required, and you can run the sensor and logger on five AA batteries.

Purpose-built for plant science applications

IRT isn't some generic infrared thermometer, but a scientific-grade sensor specifically designed for making canopy measurements. So, if you need accurate surface temperature measurements with easy remote data access, the robust, simple, and affordable IRT is perfect for you.



BILMAR BİLİMSEL ARAŞTIRMA VE MÜHENDİSLİK ANONİM ŞİRKETİ

Web page : www.bilmar.com.tr

E-mail : bilkim@bilmar.com.tr



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Specifications

Measurement range	-30°C to 65°C
Accuracy	Research-grade models (SI-411, SI-421, SI-431, SI-4H1): ±0.2°C when sensor body is within 20°C of target temperature Commercial-grade model (SIL-411): ±0.5°C when sensor body is within 20°C of target temperature
Field of view	Research-grade sensors (SI-411, SI-421, SI-431, SI-4H1): a circular aperture with half angles of 14, 18 or 22 degrees, or a horizontal aperture with 13 degree vertical half angle and 32 degree horizontal half angle. Commercial-grade sensor (SIL-411): available only with 22 degree half angle.
Data logging	METER Em50/50G* (after 2008), EM60 series, ZL6 series, ZSC and ProCheck * Note: SIL-411 commercial-grade sensors aren't supported by EM50s