

Article Overview

The HPL220IR and Graigar LS122 are among the latest infrared power meters, offering wide spectral measurement, high accuracy, and modern connectivity features.

HPL220IR Infrared Power Meter

The HPL220IR is a wide spectral line infrared optical power meter designed to measure the power density of infrared radiation (radiant energy per unit area). Key features include:

- o OLED display for clear readings
- o Bluetooth connectivity for wireless data transfer and integration with test software
- o Wide spectral range suitable for sunlight, infrared lamps, and remote control sources
- o Applications: optics and laboratories, meteorology, agricultural production
- o Advantages: easy to use, accurate, and reliable for both field and lab measurements

Graigar LS122 Handheld IR Power Meter

The LS122 is a handheld infrared power meter optimized for measuring infrared radiation luminance and transmittance. Its specifications include:

- o Irradiance range: 0-40,000 W/m²
- o Accuracy: +/-10%
- o Spectral range: 1000-1700 nm, peak at 1400 nm
- o Detector diameter: 10 mm
- o Dimensions: 125 x 69 x 24.5 mm; Weight: ~140 g
- o Operating temperature: -20°C to +70°C
- o Power supply: 4 AAA batteries
- o Features: automatic IR transmission calculation, portable design for field measurements, and suitability for industrial and laboratory applications

Considerations for Choosing an Infrared Power Meter

When selecting a model, consider:

- o Spectral range: Ensure it covers the infrared wavelengths relevant to your application
- o Measurement range and accuracy: Match the expected power density and required precision
- o Connectivity: Bluetooth or software integration can simplify data logging and analysis
- o Portability: Handheld models like LS122 are ideal for field use, while benchtop models like HPL220IR offer



New Model Infrared Power Meter

more advanced features for lab environments

o Application-specific needs: Some meters are better suited for agricultural, meteorological, or optical research applications Both the HPL220IR and LS122 represent the latest in infrared power measurement technology, combining wide spectral coverage, reliable accuracy, and modern usability features for professional and industrial applications .

Unlike other power meters that slow considerably when switching sensitivity ranges, it incorporates a

Measure Infrared Radiation Luminance -- Infrared power meter is an infrared power measuring instrument, which is used for

The original operation button of the infrared "100%" change to "0%", we can read the

Evaluating heat-insulating property of the tint of window, solar films, glass and other transparent materials. Infrared

About this item [Reliable Optical Power Density] The ir power meter measures optical power density of infrared rays with a

IR Power Meter LS122 Infrared Radiation Test Meter Handheld Infrared Light Source Luminance IR Rejection Detector 0-40000W/m²

IR Light Meter Infrared Irradiation Meter Tester Near-Infrared Radiation Intensity Testing Instrument with Wavelength Range 760nm

Our handheld optical power and energy meters are plug and play compatible with our wide range of calibrated optical sensors for the

InfraPower 1-Phase Inline Meter is the most effective PDU enhancement approach to upgrade your basic 1-Phase PDUs with local

This experiment can be challenging to conduct with an entire class because a full set of infrared sensors and data

Gloss Meter Other Device Product Description Detail infrared power meter is an infrared

The Linshang LS122 infrared power meter can test the radiation intensity of the infrared source and the infrared



New Model Infrared Power Meter

LH-131 IR Power Meter Infrared Irradiometer Infrared Light Irradiance Power Meter Range
1uW/cm²;~3000W/m²; 760~1100nm:

LAND is the world's leading manufacturer of monitors and analysers for industrial infrared non-contact temperature measurement,

Measures infrared light: the LH-131 IR Light Meter is specifically designed to measure infrared light, which can be

Accurately measure infrared power with our advanced LS122 IR power meters. Perfect for solar power, window tint, and more. Shop

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