

0.19 - 20 μ m, 110W, Thermopile Power & Energy Detector



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Maximum Incident Energy Density (J/cm², 10ns Pulses):

1

General

UP19k-100F-H9-INT-D0 (US) **Model Number:**

Fan Cooled **Cooling Method:**

Compatible Meters:

Physical & Mechanical Properties

54.2 x 54.2 x 55.6 **Dimensions (mm):**

160 **Weight (g):**

0.16 **Weight (kg):**

19 **Active Area (mm):**

Optical Properties

190 - 20000 **Wavelength Range (nm):**

0.19 - 20 **Wavelength Range (μm):**

Sensor

Thermopile **Type of Sensor:**

Electrical

110,000 **Maximum Incident Beam Power (mW):**

110 **Maximum Incident Beam Power (W):**

45,000 **Maximum Incident Power Density (W/cm²):**

45 **Maximum Incident Power Density (kW/cm²):**

3 mW **Noise Level:**

Regulatory Compliance

[View](#) **Certificate of Conformance:**

Product Details

- Photodetectors, Thermopiles, and Pyroelectric Detectors Available
- Various Active Area Sizes Across a Wide Range of Sensitivities
- [Meterless](#) and [Wireless](#) Detectors Also Available

Gentec-EO Integra USB Power and Energy Detectors combine a power meter and detector in one convenient package while providing fast response times and accurate measurements for beam analysis. These detectors are designed with a USB connector for easy connection to a PC or other acquisition system and include user-friendly software allowing for control via PC or serial commands. Versatile pyroelectric energy detectors with broadband coatings are optimized for low to high power densities. Gentec-EO Integra USB Power and Energy Detectors can be used with a variety of laser powers ranging from the nanowatts to multi-kilowatts. These detectors are ideal for laser energy measurement, thermal imaging, and remote sensing applications.